

**BENCH MARK DESCRIPTIONS  
AND ELEVATIONS  
Whitley County**

**USC&GS BM J 165, 1946**

In Whitley County, Churubusco Quadrangle, in the SW ¼ of Sec. 12, T 32 N., R. 10 E., 2<sup>nd</sup> PM; about 0.55 mile northwest of Churubusco; 0.55 mile northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a 15-inch concrete culvert under the highway; set in the top of the northwest end of the southwest headwall of the culvert, 1.8 feet below the highway, 1.2 feet southeast from the northwest end of the headwall; a U.S. Coast and Geodetic Survey bench mark tablet, stamped “J 165 1946.”

**897.022 feet NGVD 1929**

**USC&GS BM H 165, 1946**

In Whitley County, Churubusco Quadrangle, in the E ½ of Sec. 11, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 1.22 miles northwest of Churubusco; 1.25 miles Northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a L-shaped headwall of a 15-inch concrete pipe culvert under the highway; set in the top of the southwest headwall, 17.0 feet southwest from the center line of the highway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped “H 165 1946.”

**894.778 feet NGVD 1929**

**USGS RM NO.4 Gaging Station**

In Whitley County, Churubusco Quadrangle, in the SE ¼, Sec. 10, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 1.8 miles northwest of Churubusco; 1.0 mile northwest along U.S. Highway 33 from its intersection with State Road 205 Churubusco to a T-road west (550 North Road), thence 1.0 mile west to a T-road north (Blue Lake Road), thence 0.05 mile north to power pole #WH1-146-54 with transformer on the west side of the road; set in the top of a concrete lake level monument on the west side of the road, 282 feet south from the center line of an entrance road leading to a gage, 58 feet northwest from the power pole, 36.5 feet west from the center line of the road, 1.9 feet above the ground; a U.S. Geological Survey gaging station tablet, not stamped.

**857.103 feet NGVD 1929**

**DNR BM WIT 21, 1976**

In Whitley County, Churubusco Quadrangle, in the SE ¼ of Sec. 10, T. 32, R. 10 E., 2<sup>nd</sup> PM, about 1.8 miles northwest of Churubusco; 1.0 mile northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a T-road west (550 north Road), thence 1.0 mile west to a T-road north (Blue Lake Road), thence 0.05 mile north to a T-road west leading to a gage; set in the top of a concrete post on the south side of the T-road, 14.3 feet south from the center line of the road, 4.2 feet northeast from the gage; a Department of Natural Resources control station tablet, stamped "WIT 21 1976."

**853.101 feet NGVD 1929**

**DNR TBM WLK 32, 1976**

In Whitley County, Churubusco Quadrangle, in SW ¼ of Sec. 11, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 2.3 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with Penn Central Railroad track at Coesse to a northwest-southeast crossroad (Old Trial Road), thence 1.35 miles southeast to a private drive north; set in the north side of an 18-inch wild cherry tree in the northeast quarter of the junction, 56 feet east from the center line of the private drive north, 26.5 feet north from the center line of the road, 0.7 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 32 1976."

**839.971 feet NGVD 1929**

**DNR TBM WLK 33A 1976**

In Whitley County, Churubusco Quadrangle, in the NE ¼ of Sec. 11, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 3.0 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Railroad at Coesse to a northwest-southeast crossroad (Old Trail Road), thence 1.9 miles southeast to a T-road north (De La Balme Road), thence 0.55 mile north to a turn east and the Eel River Fort Monument; set in the top of the northwest corner of the concrete base of the monument, 31.0 feet north from the extended east-west center line of De La Balme Road, 12.0 feet west from the extended north-south center line of De La Balme Road, 0.9 foot above the ground; a chiseled triangle.

**833.015 feet NGVD 1929**

**DNR BM WIT 16, 1976**

In Whitley County, Churubusco Quadrangle, in the SW ¼ of Sec. 1, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 3.4 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Railroad at Coesse to a northwest-southeast crossroad (Old Trail Road), thence 1.9 miles southeast to a T-road north (De La Balme Road), thence 0.85 mile generally north and east to the La Balme Monument on the north side of the road; set in the top of a concrete post, 44.4 feet north from the center line of the road, 10.8 feet south from a barbed-wire fence, 6.6 feet north from the northwest corner of the monument, 4.4 feet northeast from the west end of a steel picket fence, flush with the ground; a Department of Natural Resources brass control station tablet, stamped "WIT 16 1976."

**833.151 feet NGVD 1929**

**DNR BM WLK 34 A 1976**

In Whitley County, Churubusco Quadrangle, in the SW ¼ of Sec. 1, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 4.0 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Railroad at Coesse to a northwest-southeast crossroad (Old Trail Road), thence 3.0 miles southeast to a T-road north (Johnson Road), thence 1.3 miles north to a T-road west (De La Balme Road); set in the west end of an 18-inch pipe culvert under the road in the northwest quarter of the junction, 250 feet north from the center line of the T-road west, 14.0 feet west from the center line of the north-south road, 3.1 feet below the roadway; the center of two filed notches.

**839.127 feet NGVD 1929**

**USC&GS BM W 196, 1946**

In Whitley County, Churubusco Quadrangle, in the NE ¼ of Sec. 1, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 4.3 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Railroad at Coesse to a northwest-southeast crossroad (Old Trail Road), thence 3.0 miles southeast to a T-road north (Johnson Road), thence 1.9 miles north to a 66-foot bridge over Eel River; set in the top of the southeast end of the southwest concrete curb, 12.5 feet southwest from the center line of the road, 0.7 foot northwest from the southeast end of the curb, 0.6 foot above the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "W 196 1946."

**823.870 feet NGVD 1929**

(Revised Elevation)

**USC&GS BM X 196, 1946**

In Whitley County, Churubusco Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 34, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 5.0 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Road at Coesse to a northwest-southeast crossroad (Old Trail Road), thence 3.0 miles southeast to a T-road north (Johnson Road), thence 4.0 miles north to an east-west crossroad (150 North Road); set in the top of a concrete post in the southeast quarter of the intersection, 180 feet east from the center line of Johnson Road, 24.0 feet south from the center line of the east-west road, 2.4 feet northwest from a metal witness post, 2.1 feet above the roadway, 0.1 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "X 196 1946."

**877.377 feet NGVD 1929**

**DNR TBM WLK 100, 1976**

In Whitley County, Columbia City Quadrangle, in the NE  $\frac{1}{4}$ , Sec. 2, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.55 miles northeast of Columbia City; 1.7 miles generally northeast along State Road 9 from the courthouse in Columbia City to a concrete bridge over Blue Babe Branch; set in the top of the southwest end of the northwest end of the northwest concrete curb of the bridge, 19.3 feet northwest from the center line of the highway, 1.3 feet northeast from the southwest end of the curb, 0.4 foot above the roadway; a chiseled triangle.

**839.712 feet NGVD 1929**

**DNR TBM WLK 23, 1976**

In Kosciusko County, Columbia City Quadrangle, in the Beaver Reserve T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.1 miles south of Columbia City; 0.2 mile west along Van Buren Street from its intersection with State Road 9 in Columbia City to a north-south crossroad (Line Street, State Road 205), thence 1.7 miles generally south to a T-road south (Washington Road), thence 0.55 mile south to Nolt Cemetery entrance road west; set in the top of the base of the southern entrance pillar, 21.3 feet west from the center line of the road, 9.0 feet south from the center line of the entrance road, 0.4 foot northeast from the northeast corner of the pillar, flush with the ground; a painted chiseled triangle.

**826.978 feet NGVD 1929**

**DNR TBM WLK 18, 1976**

In Whitley County, Columbia City Quadrangle, in the Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.7 miles southwest of Columbia City; 1.7 miles south and southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a T-road south (Washington Road), thence 0.05 mile south to an east-west crossroad (200 South Road), set in the east side of REMC power pole #07596 in the southwest quarter of the intersection, 92 feet south from the center line of the east-west road, 19.0 feet west from the center line of the north-south road, 0.6 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 18 1976."

**827.027 feet NGVD 1929**

**DNR BM WIT 33, 1976**

In Whitley County, Columbia City Quadrangle, in the NW ¼ of Sec. 22, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.7 miles south of Columbia City; 0.2 mile west along Van Buren Street from its intersection with State Road 9 in Columbia City to a north-south crossroad (Line Street, State Road 205), thence 1.8 miles south to a T-road east (200 South Road), thence 0.15 east to a concrete bridge over Blue River; set in the top of the southeast corner of the bridge, 32.4 feet west from a field entrance road south, 14.0 feet south from the center line of the entrance road south, 14.0 feet south from the center line of the road, 1.8 feet below the bridge curbing; a Department of Natural Resources control station tablet, stamped "WIT 33 1976."

**812.858 feet NGVD 1929**

**DNR BM WIT 32, 1976**

In Whitley County, Columbia City Quadrangle, in the NW ¼ of Sec. 14, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 0.7 mile south of Columbia City; 0.95 mile south along State Road 9 (Main Street) from the courthouse in Columbia City to an east-west crossroad, thence 0.05 mile west to a bridge over Blue River; set in the top of the south end of the east concrete bridge seat; 24.3 feet south from the center line of the road, 3.0 feet below the roadway, 0.5 foot east from the west face of the bridge seat; a Department of Natural Resources brass control station tablet, stamped "WIT 32 1976"

**821.854 feet NGVD 1929**

**USC&GS BM W 14, 1930**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, in Columbia City; 0.45 mile south along State Road 9 (Main Street) from the courthouse in Columbia City to a turn southwest and a T-road southeast (Chicago Street), thence 0.35 mile southeast to a north-south crossroad (Ohio Street); set in the top of a concrete post in the northeast quarter of the intersection, 352 feet southeast from the center line of Chicago Street, 33.1 feet northeast from the northeast rail of the west bound track, 1.5 feet southeast from a metal witness post; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "W 14 1930."

**845.668 feet NGVD 1929**

**USC&GS BM K 333, 1968**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, in Columbia City; 0.5 mile south along State Road 9 (Main Street) from the courthouse in Columbia City to a northwest-southwest railroad crossing (Penn Central Railroad); set in the top of a copper coated steel rod driven to refusal in the southeast quarter of the crossing, 51 feet southeast from the center line of the highway, 20.8 feet southwest from the southwest rail of the east bound track, 2.5 feet southeast from a power pole, 0.5 foot northeast from a metal witness post, 0.2 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "K 333 1968".

**840.609 feet NGVD 1929**

**DNR BM WIT 31, 1976**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, in Columbia City; 0.5 mile south along State Road 9 (Main Street) from the courthouse in Columbia City to a northwest-southeast railroad crossing (Penn Central Railroad), thence 0.05 mile northwest to a bridge over Blue River; set in the top of the southeast end of the southwest headwall of the bridge, 13.0 feet southwest from the southwest rail of the east bound track, 1.7 feet below the track, 1.6 feet northwest from the southeast end of the headwall; a Department of Natural Resources control station tablet, stamped "WIT 31 1976".

**838.939 feet NGVD 1929**

**DNR BM WIT 30, 1976**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, in Columbia City; 0.3 miles south along State Road 9 from the courthouse in Columbia City to the State Road 9 bridge over Blue River; set in the top of the north end of the west concrete base of the west guardrail, 22.9 feet west from the center line of the road, 0.5 feet east from the west face of the guardrail base, 0.4 foot above the roadway; a Department of Natural Resources brass control station tablet, stamped "WIT 30 1976."

**828.905 feet NGVD 1929**

**DNR BM WIT 29, 1976**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, in Columbia City; 0.15 mile east along State Road 205 (Van Buren Street) from the courthouse in Columbia City to a north-south crossroad (Whitley Street), thence 0.2 mile south to a bridge over Blue River; set in the top of the west end of the north bridge abutment, 13.6 feet west from the center line of the road, 0.5 foot below the roadway; a Department of Natural Resources brass control station tablet, stamped "WIT 29 1976."

**829.610 feet NGVD 1929**

**Columbia City BM 24 CASG 8**

In Whitley County, Columbia City Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 0.8 mile east of Columbia City; 0.75 mile east along State Road 205 (Van Buren Street) from the courthouse in Columbia City to a concrete bridge over Blue River; set in the top of a concrete post, 246 feet west from the west end of the bridge, 50 feet east from the extended center line of a farm drive north, 21.5 feet south from the center line of the road, 3.1 feet above the ground; a Columbia City bench mark tablet, stamped "24 CASG 8."

**836.283 feet NGVD 1929**

**Columbia City BM 24 CASG 14**

In Whitley County, Columbia City Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 0.8 mile east of Columbia City; 0.75 mile east along State Road 205 (Van Buren Street) from the courthouse in Columbia City to a concrete bridge over Blue River; set in the top of a concrete post, 246 feet west from the west end of the bridge, 36.0 feet east from the extended center line of a farm drive north, 27.3 feet north from the extended center line of the road, 3.3 feet above the ground, 2.6 feet north from a fire plug; a Columbia City bench mark tablet, stamped "24 CASG 14."

**837.474 feet NGVD 1929**

**DNR BM WIT 28, 1976**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 11, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 0.8 mile east of Columbia City; 0.8 mile east along State Road 205 (Van Buren Street) from the courthouse in Columbia City to a concrete bridge over Blue River; set in the top of the west end of the north concrete guardrail, 15.4 feet northwest from the center line of the road, 0.8 foot above the roadway; a Department of Natural Resources brass control station tablet, stamped "WIT 28 1976."

**833.146 feet NGVD 1929**

**ISHC BM WHIT F-7**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 2, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.1 miles northeast of Columbia City; 0.75 mile east along U.S. Highway 30 from its intersection with State Road 9 at Columbia City to twin concrete bridges over Blue River; set in the top of the northwest end of the northeast concrete curb of the west bound bridge, 19.5 feet northeast from the center line of the road, 4.6 feet southeast from the northwest end of the curb, 1.0 foot above the roadway; a Indiana State Highway Commission bench mark tablet, stamped "WHIT F-17."

**843.188 feet NGVD 1929**

**USC&GS BM C 196 RESET 1966**

In Whitley County, Columbia City Quadrangle, in the NW ¼, Sec. 2, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 0.95 mile north of Columbia City; 1.0 mile north along State Road 9 from the courthouse in Columbia City to a T-road west; set in the top of a concrete post in the northwest quarter of the junction, 219 feet north from the center line of the T-road west, 52 feet west from the center line of the highway, 1.4 feet south from a metal witness post, 0.2 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "C 196 RESET 1966."

**872.638 feet NGVD 1929**

(Revised Elevation)

**USC&GS BM E 196, 1946**

In Whitley County, Columbia City Quadrangle, in the SE ¼, Sec. 34, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.2 miles northeast of Columbia City; 2.4 miles generally northeast along State Road 9 from the courthouse in Columbia City to a 6-foot box culvert under the highway; set in top of the southeast end of the northwest headwall of the culvert, 26.0 feet northwest from the center line of the headwall of the culvert, 26.0 feet northwest from the center line of the highway, 1.5 feet southwest from the northeast end of the headwall, 0.5 foot below the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "E 196 1946."

**851.298 feet NGVD 1929**



**DNR BM WIT 27, 1976**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$ , Sec. 35, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.35 miles northeast of Columbia City; 2.1 mile generally northeast along State Road 9 from the courthouse in Columbia City to a T-road east (Cider Mill Road), thence 0.6 mile east to a plate girder bridge over Blue River; set in the top of the north end of the west concrete bridge seat, 13.4 feet north from the center line of the road, 3.8 feet below the roadway, 1.1 feet west from the east face of the bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 27 1976."

**833.694 feet NGVD 1929**

**DNR TBMWLK 101, 1976**

In Whitley County, Columbia City Quadrangle, in SW  $\frac{1}{4}$  of Sec. 35, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.35 miles northeast of Columbia City; 2.1 miles generally northeast along State Road 9 from the courthouse in Columbia City to a T-road East (Cider Mill Road), thence 0.6 mile east to a plate girder bridge over Blue River; set in the top of the threaded end of a bolt on the top of the east end of the south steel plate girder, 12.6 feet south from the center line of the road, 0.9 foot west from the east end of the girder, 0.2 foot south from the south steel guardrail, level with the roadway; a filed cross.

**838.394 feet NGVD 1929**

**DNR TBM WLK 102, 1976**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 36, T. 32 N. R. 9 E., 2<sup>nd</sup> PM, about 3.1 miles northeast of Columbia City; 2.1 miles generally northeast along State Road 9 from the courthouse in Columbia City to a T-road east (Cider Mill Road), thence 1.6 miles east to a T-road north (Riley Road); set in the top of the west end of the north headwall of a 1-foot pipe culvert under the road in the northwest quarter of the junction, 56 feet west from the center line of the T-road north, 12.9 feet north from the center line of the east-west road, 0.4 foot east from the west end of the headwall, 0.5 foot above the road; a chiseled triangle.

**858.469 feet NGVD 1929**

**DNR TBM WLK 103, 1976**

In Whitley County, Columbia City Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 25, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 4.2 miles northeast of Columbia City; 2.1 miles generally northeast along State Road 9 from the courthouse in Columbia City to a T-road east (Cider Mill Road), thence 1.6 miles east to a T-road north (Riley Road), thence 1.45 miles generally northeast to a T-road east (Crone Road), set in the top of the concrete base of a fence post in the southeast quarter of the junction, 31.5 feet east from the center line of the road, 16.0 feet south from the center line of the T-road east, 1.2 feet northeast from the railroad track fence corner post; a chiseled pentagon.

**859.949 feet NGVD 1929**

**DNR BM WIT 25, 1976**

In Whitley County, Columbia City Quadrangle, in the NE ¼, Sec. 25, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 4.6 miles northeast of Columbia City; 2.1 miles generally northeast along State Road 9 from the courthouse in Columbia City to a T-road north (Riley Road), thence 1.9 miles generally north to a concrete bridge over Blue River; set in the top of the west end of the south bridge abutment, 14.5 feet west from the center line of the road, 0.5 foot south from the north face of the abutment, 0.3 foot below the roadway; a Department of Natural resources brass control station tablet, stamped "WIT 25 1976."

**848.288 feet NGVD 1929**

**USGS BM 124 M 1945**

In Whitley County, Columbia City Quadrangle, in the NE ¼ Sec. 25, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 4.7 miles northeast of Columbia City; 2.1 miles generally northeast along State Road 9 from the courthouse in Columbia City to a T-road east (Cider Mill Road), thence 1.6 miles east to a T-road north (Riley Road), thence 2.0 miles generally Northeast to an east-west crossroad (300 North Road); set in the top of a concrete post in the southwest quarter of the junction; 74 feet east from the center line of the north-south road, 23.0 feet south from the center line of the east-west road, 20.5 feet northwest from the northwest corner of a church 0.1 foot above the ground; a U.S. Geological Survey bench mark tablet, stamped "124 M 1945."

**862.052 feet NGVD 1929**

(Revised Elevation)

**DNR BM WIT 24, 1976**

In Whitley County, Columbia City Quadrangle, in the SW ¼ of Sec. 19, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 2.0 miles northwest of Collins; 0.25 mile north along 550 East Road from its junction with Johnson Road at Collins to a T-road west (Burd Road), thence 1.9 miles west to a 70-foot concrete bridge seat, 15.8 feet north from the center line of the road, 4.5 feet below the bridge floor, 0.6 feet west from the east face of the bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 24 1976."

**845.579 feet NGVD 1929**

**USGS UE 871**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 30, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 1.2 miles northwest of Collins; 0.25 mile north along 550 East Road from its junction with Johnson Road at Collins to a T-road west (Burd Road), thence 1.0 mile west to a north-south crossroad (450 East Road); set in the top of the north concrete headwall of a 12-inch pipe culvert under Burd Road in the northwest quarter of the intersection, 68 feet west from the center line of the north-south road, 14.0 feet northeast from the center line of the east-west road, level with the roadway, near the center of the headwall; a chiseled square.

**871.004 feet NGVD 1929**

**DNR BM WIT 23, 1976**

In Whitley County, Columbia City Quadrangle, in the NE  $\frac{1}{4}$ , Sec. 19, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 1.8 miles northwest of Collins; 0.25 mile north along 550 East Road from its junction with Johnson Road at Collins to a T-road west (Burd Road), thence 1.0 mile west to a north-south crossroad (450 East Road), thence 0.96 mile north to a 60-foot concrete bridge over Blue River; set in the top of the west end of the south concrete bridge seat, 12.5 feet west from the center line of the road, 3.1 feet below the bridge floor, 0.9 foot south from the north face of the bridge seat; a Department of Natural Resources brass control station tablet, stamped "WIT 23 1976."

**853.752 feet NGVD 1929**

**DNR TBM WLK 104, 1976**

In Whitley County, Columbia City Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 20, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 1.8 miles northwest of Collins; 0.25 mile north along 550 East Road from its junction with Johnson Road at Collins to a T-road west (Burd Road), thence 1.0 mile west to a north-south crossroad (450 East Road), thence 0.96 mile north to a 60-foot concrete bridge over Blue River; set in the top of the east end of the north concrete bridge seat, 14.5 feet east from the center line of the road, 3.0 feet below the bridge floor, 0.9 foot north from the south face of the bridge seat; a chiseled trapezoid.

**853.642 feet NGVD 1929**

**DNR TBM WLK 105, 1976**

In Whitley County, Columbia City Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 17, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 4.2 miles southeast of Merriam (Noble County); at the "T"-road intersection of 450 East Road and Anderson Road; set in the top of a concrete base of a railroad rail fence post in the northeast quarter of the junction, 56 feet east from the center line of 450 East Road, 19.0 feet north from the center line of Anderson Road, 0.8 foot southeast of a railroad rail fence post; a chiseled triangle.

**878.862 feet NGVD 1929**

**DNR BM WIT 22, 1976**

In Whitley County, Columbia City Quadrangle, in the SE  $\frac{1}{4}$ , Sec. 17, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 4.55 miles southeast of Merriam (Noble County); at the Anderson Road steel plate girder bridge over Blue River; set in the top of the south end of the east concrete bridge seat, 13.0 feet south from the center line of the road, 4.0 feet below the roadway, 2.3 feet east from the west face of the bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 22 1976."

**856.378 feet NGVD 1929**

**DNR TBM WLK 106, 1976**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 8 T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 4.15 miles southeast of Merriam (Noble County); 3.2 miles southeast along U.S. Highway 33 from its intersection with State Road 9 at Merriam to a north-south crossroad (550 East Road), thence 1.85 miles south to a farm drive west; set in the north side of a 24-inch walnut tree, in the southwest quarter of the junction, 425 feet north from the center line of a T-road east (500 North Road), 290 feet south from the center line of the farm drive west, 17.2 feet west from the center line of the road, 0.3 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 106."

**865.049 feet NGVD 1929**

**DNR BM WIT 18, 1976**

In Whitley County, Columbia City Quadrangle, in the NW ¼, Sec. 9, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 3.85 miles southeast of Merriam (Noble County); at the 550 East Road 70-foot concrete bridge over Blue River; set in the top of the east end of the north bridge seat, 12.2 feet east from the center line of the road, 3.0 feet below the roadway, 1.0 foot north from the south face of the bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 18 1976".

**854.342 feet NGVD 1929**

**USC&GS BM H 196 RESET 1966**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 10, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.15 miles southwest of Merriam (Noble County), 3.45 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam to a driveway west leading to a house and barn on the west side of the highway; set in the top of a concrete post on the west side of the highway, 528 feet south from the center line of the highway, 1.5 feet south from a metal witness post, 0.3 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "H 196 Reset 1966".

**950.188 feet NGVD 1929**

(Revised Elevation)

**DNR BM WIT 34, 1976**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 11, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.8 miles south of Merriam (Noble County); at the 250 East Road bridge over the channel between Cedar and Little Cedar Lakes; set in the top of a concrete post, 142 feet southwest from the southwest corner of the bridge, 32.8 feet west from the center line of the road, 2.4 feet northeast from the utility pole #WH 141-119, level with the roadway; a Department of Natural Resources control station tablet, stamped "WIT 34 1976".

**913.226**

**USC&GS BM L 196, 1946**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 22, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.2 miles north-northeast of Columbia City; 3.5 miles generally north along State Road 9 from its intersection with U.S. Highway 30 at Columbia City to an 18-foot concrete bridge over Cole Ditch; set in the top of the west end of the south abutment of the bridge, 23 feet west from the center line of the highway, 1.0 foot below the roadway, 0.6 foot west from the concrete bridge banister; a U.S. Coast and Geodetic Survey bench mark tablet. Stamped "L 196 1946".

**848.820 feet NGVD 1929**

**USCE BM**

In Whitley County, Columbia City Quadrangle, in the SW ¼, Sec. 23, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.2 miles south of Columbia City; at the Main Street (State Road 9) concrete bridge over Eel River; set in the top of the northwest wingwall of the bridge, 22.0 feet west from the center line of the road, 1.0 foot above the road, 0.4 foot south from the north face of the wingwall; a U.S. Corps of Engineers survey mark tablet, not stamped.

**811.208 feet NGVD 1929**

**USGS BM TT 56 RCD 1946**

In Whitley County, Columbia City Quadrangle, in the NW ¼ of Sec. 23, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.7 miles south of Columbia City; at the intersection of State Road 9 (Main Street) and 200 South Road; set in the top of a concrete post, in the southeast quarter of the intersection, 38.7 feet east from the center line of the road, 2.4 feet southwest from power pole #GA48, 0.6 foot below the ground; a U.S. Geological Survey bench mark tablet, stamped "TT 56 RCD 1946."

**825.594 feet NGVD 1929**

**DNR TBM WLK 24, 1976**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 23, T. 31N., R. 9 E., 2<sup>nd</sup> PM, about 1.8 miles southeast of Columbia City; 1.8 miles generally south along Main Street (State Road 9) from the courthouse in Columbia City to an east-west crossroad (200 South Road), thence 0.2 mile east to a private drive south; set in the north side of REMC power pole # 06752, 152 feet west from the center line of the private drive, 18.8 feet south from the center line of the road, 3.0 feet below the roadway, 1.0 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 24 1976".

**816.746 feet NGVD 1929**

**DNR BM WIT 12, 1976**

In Whitley County, Columbia City Quadrangle, in the SW ¼ of Sec. 13, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.1 miles southeast of Columbia City; at the 200 South Road concrete bridge over Eel River; set in the top of the northwest bridge seat, 14.0 feet north from the center line of the road, 2.7 feet below the roadway, 0.9 foot east from the west face of the bridge seat; a Department of Natural Resources control station tablet, stamped “WIT 12 1976”.

**805.639 feet NGVD 1929**

**DNR BM WIT 13, 1976**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 13, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.1 miles southeast of Columbia City; 0.6 mile south along Main Street (State Road 9) from the courthouse in Columbia City to a T-road east (Raber Road), thence 1.7 miles southeast to a concrete bridge over Eel Creek; set in the top of the southeast bridge seat, 11.8 feet south from the center line of the road, 2.0 feet below the roadway, 0.5 foot east from the west face of the bridge seat; a Department of Natural Resources control station tablet, stamped “WIT 13 1976”.

**808.896 feet NGVD 1929**

**USC&GS BM C 305, 1963**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 13, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.9 miles southeast of Columbia City; 0.6 mile south along Main Street (State Road 9) from the courthouse in Columbia City to a northwest-southeast railroad crossing thence 1.6 miles southeast to a 50-foot stone arch bridge over Eel River; set in the top of the northeast headwall, 8.3 feet northeast of the northern most rail, 2.5 feet below the track surface, 0.8 foot southeast from the northwest end of the headwall; a U.S. Coast and Geodetic Survey bench mark tablet, stamped “C 305 1963”.

**825.710 feet NGVD 1929**

**ISHC BM WHTL F-11**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 13, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 1.9 miles southeast of Columbia City; 0.5 mile south along Main Street (State Road 9) from the courthouse in Columbia City to a T-road southeast (Lincoln Way Road), thence 1.6 mile southeast to a concrete bridge over Eel River; set in the top of a concrete guardrail base, 20.7 feet north from the center line of the road, 1.0 foot above the roadway, 0.3 foot east from the west end of the concrete guardrail; a Indiana State Highway Commission bench mark tablet, stamped “WHTL F-11”.

**813.097 feet NGVD 1929**

**DNR TBM WLK 25, 1976**

In Whitley County, Columbia City Quadrangle, in the SW ¼ of Sec. 7, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.0 miles southeast of Columbia City; 0.5 mile south along Main Street (State Road 9) from the courthouse in Columbia City to a T-road southeast (Lincoln Way Road), thence 1.2 miles east to a concrete deck bridge over Eel River; set in the top of the north headwall of the culvert, 73 feet east from the east end of the bridge, 14.0 feet north from the center line of the road, 0.4 feet west from the east face of the headwall, 0.3 foot above the roadway; a painted chiseled triangle.

**807.301 feet NGVD 1929**

**DNR TBM WLK 26, 1976**

In Whitley County, Columbia City Quadrangle, in the NW ¼ of Sec. 18, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.0 mile southeast of Columbia City; at the 100 South Road concrete bridge over Eel Creek; set in the top of the southeast support of the bridge, 13.5 feet south from the center line of the road, 0.5 foot below the roadway, 0.3 foot northeast from the southeast face; a painted chiseled triangle.

**807.563 feet NGVD 1929**

**ISCH BM WHIT F-14**

In Whitley County, Columbia City Quadrangle, in the SW ¼ of Sec. 7, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.1 miles southeast of Columbia City; at the U.S. Highway 30 twin concrete bridges over Eel River; set in the top of the northwest concrete curb of the northwest bound bridge, 20.5 feet northeast from the center line of the road, 1.0 foot above the roadway, 0.5 foot southeast from the northwest end of the curb; an Indiana State Highway Commission bench mark tablet, stamped "WHIT F-14".

**812.990 feet NGVD 1929**

**DNR TBM WLK 27, 1976**

In Whitley County, Columbia City Quadrangle, in the SW ¼ of Sec. 7, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.1 mile southeast of Columbia City; at the U.S. Highway 30 twin concrete bridges over Eel River; set in the top of the concrete guardrail corner post on the northeast corner of the northwest bound bridge, 21.1 feet northeast from the center line of the bridge, 3.3 feet above the roadway, 0.5 foot northwest from northeast face of the corner post; a painted chiseled triangle.

**815.426 feet NGVD 1929**

**DNR TBM WLK 28, 1976**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 7, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.8 miles southeast of Columbia City; 0.5 mile south along Main Street (State Road 9) from the courthouse in Columbia City to a T-road southeast (Lincoln Way Road), thence 0.7 mile southeast to a T-road east (100 South Road), thence 2.1 miles east to a north-south crossroad (300 East Road), thence 0.2 mile north to a concrete culvert under the road; set in the top of the west concrete headwall, 113 feet south from the center line of a T-road east (Hartman Road), 14.7 feet west from the center line of the road, 3.9 feet northeast from the southwest face of the southwest wingwall; a painted chiseled triangle.

**816.477 feet NGVD 1929**

**USCE BM**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 7, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.8 miles east of Columbia City; at the 300 East Road concrete decked bridge over Eel River; set in the top of the southwest corner of the bridge floor, 12.5 feet west from the center line of the road, level with the roadway; a U.S. Corps of Engineers survey mark tablet, not stamped.

**809.970 feet NGVD 1929**

**DNR TBM WLK 29, 1976**

In Whitley County, Columbia City Quadrangle, in the SW ¼ of Sec. 5, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 3.0 miles east of Columbia City; 2.1 miles generally east along Van Buren Street (State Road 205) from the courthouse in Columbia City to a Y-junction (Old Trail Road), thence 0.95 mile east to a 12-inch pipe culvert under the road; set in the top of the northwest concrete headwall, 13.5 feet northwest from the center line of the road, 0.4 foot below the roadway, 0.3 foot northeast from the southwest face of the headwall; a painted chiseled triangle.

**833.031 feet NGVD 1929**

**DNR TBM WLK 30, 1976**

In Whitley County, Columbia City Quadrangle, in the SW ¼, Sec. 4, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 3.0 miles northwest of Coesse; 2.25 miles north along 500 East Road from its intersection with Penn Central Railroad at Coesse to a southeast-northwest crossroad (Old Trail Road), thence 1.05 mile northwest to a 6-foot pipe culvert under the road; set in the top of the north end of the pipe, 30.0 feet east from the center line of a field entrance road south, 24.5 feet north from the center line of the road, 5.0 feet below the roadway; the center of two filled notches.

**808.694 feet NGVD 1929**



**DNR BM WIT 14, 1976**

In Whitley County, Columbia City Quadrangle, in the NE ¼ of Sec. 9, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.3 miles north of Coesse; at the Old Trail Road 50-foot steel truss bridge over Eel River; set in the top of the west bridge seat, 12.4 feet southwest from the center line of the road, 3.0 feet below the bridge floor, 1.2 feet northwest from the southeast face of the bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 14 1976".

**812.647 feet NGVD 1929**

**DNR TBM WLK 31A 1976**

In Whitley County, Columbia City Quadrangle, in the Chapine Reserve, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.15 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Railroad at Coese to a northwest-southeast crossroad (Old Trail Road), thence 0.7 mile southeast to a 24-inch pipe culvert under the road; set in the top of the northwest end of the Northeast concrete headwall of the culvert, 12.5 feet northeast from the center line of the road, 0.6 foot below the roadway, 0.4 foot southeast from the northwest end of the headwall; a chiseled triangle.

**833.559 feet NGVD 1929**

**DNR BM WIT 15, 1976**

In Whitley County, Columbia City Quadrangle, in the Chapine Reserve, T. 31 N., R. 10 E., 2<sup>nd</sup> PM, about 2.35 miles northeast of Coesse; 2.25 miles north along 500 East Road from its intersection with the Penn Central Railroad at Coesse to a northwest-southeast crossroad (Old Trail Road), thence 0.9 mile southeast to a T-road north (Ruckman Road), thence 0.2 mile north to a concrete bridge over Eel River; set in the top of the southwest wingwall of the bridge, 12.0 feet west from the center line of the road, 8.4 feet north from the south end of a metal guardrail, 4.2 feet northeast from the southwest end of the wingwall, 0.2 foot below the roadway; a Department of Natural Resources control station tablet, stamped "WIT 15 1976".

**818.514 feet NGVD 1929**

**USGS BM 125 M 1945**

In Whitley County, Columbia City Quadrangle, in the E ½ of Sec. 27, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.4 miles north-northeast of Columbia City; 2.65 miles generally north along State Road 9 from its intersection with U.S. Highway 30 at Columbia City to an east-west crossroad (250 North Road); set in the top of a concrete post in the southwest quarter of the intersection, 252 feet south from the southeast corner of a church (Thorn Creek Bethel), 46.5 feet west from the center line of the highway, 19.0 feet south from the center line of the road, 0.3 foot above the ground; a U.S. Geological Survey bench mark tablet, stamped "125M 1945 868".

**867.964 feet NGVD 1929**

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**DNR BM WIT 26, 1976**

In Whitley County, Columbia City Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 25, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.8 miles northeast of Columbia City; 2.1 miles generally northeast along State Road 9 from the courthouse in Columbia City to a T-road east (Cider Mill Road), thence 1.6 mile east to a T-road north (Riley Road), thence 0.9 mile generally north to a 18-foot bridge over Rouch Ditch; set in the top of the east end of the north bridge abutment, 10.0 feet east from the center line of the road, 1.4 feet north from the south face of the abutment, 0.3 foot below the roadway, a Department of Natural Resources brass control station tablet, stamped "WIT 26 1976".

**835.256 feet NGVD 1929**

**USGS RM Gaging Station Round Lake**

In Whitley County, Columbia City Quadrangle, in the S  $\frac{1}{2}$  of Sec. 12, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.2 miles south of Merriam (Noble County); 4.2 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam to an east-west crossroad (500 North Road), thence 1.0 mile east to a north-south crossroad (250 East Road), thence 0.6 mile generally north to a north-east Y-junction (Colony Avenue), thence 0.4 mile east to a northeast-southeast Y-junction; set in the top of a concrete lake level monument on the south side of Colony Avenue, 79 feet northeast from the center line of the southeast road, 19.9 feet southeast from the northeast road, 8.3 feet north from the north end of a control structure in Thorn Creek, 1.8 feet above the ground; a U.S. Geological Survey gaging station tablet, not stamped.

**906.860 feet NGVD 1929**

**USC&GS RM NO. 3 HIVELY 2 1966**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 11, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.4 miles southwest of Merriam (Noble County); 3.8 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam to a private drive west; set in the top of a concrete post in the northeast quarter of the junction, 88 feet north from the extended center line of the private drive, 50 feet east from the center line of the highway, 1.5 feet south from a metal witness post, flush with the ground; a U.S. Coast and Geodetic Survey reference mark tablet, stamped "Hively RM No. 3 1966".

**946.148 feet NGVD 1929**

**USGS BM 133M 1945 (RM N0.3)**

In Whitley County, Columbia City Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 12, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.2 miles south of Merriam (Noble County); 4.2 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at to an east-west crossroad (500 North Road), thence 1.0 mile east to a north-south crossroad (250 East Road), thence 0.6 mile north to a Y-junction (Colony Avenue); set in the top of a concrete post on the east side of the road, 117 feet north from the center line of Colony Avenue, 20.0 feet east from the center line of 250 East Road, 1.1 feet above the roadway, flush with the ground; a U.S. Geological Survey bench mark tablet, stamped "133M 1945 911".

**911.106 feet NGVD 1929**

**USGS RM No. 4 Gaging Station Shriner Lake**

In Whitley County, Columbia City Quadrangle, in the W  $\frac{1}{2}$  of Sec. 12, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.1 miles south of Merriam (Noble County); 4.2 miles southwest along State Road 9 from its intersection with U.S. Highway 33 to an east-west crossroad (500 North Road), thence 1.0 mile east to a north-south crossroad (250 East Road), thence 0.7 mile north to an outlet channel for Shriner Lake; set in the top of a concrete lake level monument on the west side of the road, 27.2 feet west from the center line of the road, 7.0 feet east from the edge of the lake, 6.1 feet southeast from the south end of a retaining wall at the outlet culverts; a U.S. Geological Survey gaging station tablet, not stamped.

**910.595 feet NGVD 1929**

*(Unstable)*

**USC&GS HIVELY 2 1966 Azimuth**

In Whitley County, Columbia City Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 11, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.2 miles southwest of Merriam; 3.6 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam (Noble County) to a private drive west; set in the top of a concrete post in the southeast quarter of the junction, 104 feet south from the center line of the private drive, 52 feet east from the center line of the highway, 40.1 feet south from power pole #188, 4.0 feet below the roadway, flush with the ground; a U.S. Coast and Geodetic Survey azimuth mark tablet, stamped "HIVELY No. 2 1966".

**945.986 feet NGVD 1929**

**USC&GS HIVELY 2 1966**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 10, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.4 miles southwest of Merriam (Noble County); 3.8 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam to a private drive west; set in the top of a concrete post in the northwest quarter of the junction, 100 feet north from the center line of the private drive, 72 feet west from the center line of the highway, 65 feet northwest from the northeast corner of a house, 4.0 feet south from a fence, flush with the ground; a U.S. Coast and Geodetic Survey triangulation station tablet, stamped "HIVELY 2 1966".

**947.928 feet NGVD 1929**

(Revised Elevation)

**USC&GS BM N 196 reset 1966**

In Whitley County, Columbia City Quadrangle, in the SE ¼ of Sec. 10, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.4 miles southwest of Merriam (Noble County); 3.8 miles southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam to a private drive west leading to a house and barn; set in the top of a concrete post in the northwest quarter of the junction, 117 feet west from the center line of the highway, 38 feet north-northeast from the northeast corner of the house, 2.0 feet southwest from a power pole with transformer, 1.0 foot south from a fence, flush with the ground; a U.S. Coast and geodetic Survey bench mark tablet, stamped "N 196 RESET 1966".

**948.441 feet NGVD 1929**

(Revised Elevation)

**USC&GS BM F 165, 1946**

In Whitley County, Ege Quadrangle, in the SE ¼ of Sec. 3, T. 33 N., R. 10 E., 2<sup>nd</sup> PM, about 2.1 miles northwest of Churubusco; 2.1 miles northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a 15-inch concrete pipe culvert under the highway; set in the top of the northwest end of the southwest culvert headwall, 258 feet northwest from the center line of the highway, 1.4 feet southeast from the northwest end of the headwall, 1.1 feet below the highway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "F 165 1946".

**884.627 feet NGVD 1929**

**DNR BM WIT 17, 1976**

In Whitley County, Ege Quadrangle, in the SE ¼ of Sec. 4, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 4.0 miles southeast of Merriam (Noble County); at the 600 North Road 44-foot concrete bridge over Blue River; set in the top of the north end of the east concrete bridge seat, 11.3 feet north from the center line of the roadway, 3.2 feet below the roadway, 0.8 foot east from the west face of the bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 17 1976".

**860.411 feet NGVD 1929**

**ISHC BM F-12 WHILY**

In Whitley County, Ege Quadrangle, in the NE ¼ of Sec. 4, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 3.8 mile southeast of Merriam (Noble County); at the U.S. Highway 33 90-foot concrete bridge over Blue River; set in the top of the west end of the north concrete guardrail base, 19.5 feet north from the center line of the road; 0.7 foot above the roadway, 0.2 foot east from the west end of the guardrail base; a Indiana State Highway Commission bench mark tablet, stamped "F-12 WHILY."

**868.045 feet NGVD 1929**

**USGS BM 130 M 1945-RESET 1954**

In Whitley County, Ege Quadrangle, in the SE ¼ of Sec. 4, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 4.1 miles southeast of Merriam (Noble County); at the intersection of U.S. Highway 33 and 650 East Road; set in the top of a 4-foot headwall of a pipe culvert under the road, 48.5 feet south from the centerline of the highway, 25.0 feet west from the center line of 650 East Road, 1.0 foot below the highway; a U.S. Geological Survey bench mark tablet, stamped "130 M 1945 RESET 1954".

**879.588 feet NGVD 1929**

(Revised Elevation)

**DNR BM WIT 19, 1976**

In Whitley County, Ege Quadrangle, in the NE ¼ of Sec. 4, T. 33 N., R. 10 E., 2<sup>nd</sup> PM, about 3.27 miles northwest of Churubusco; at the 650 East Road 36-foot bridge over Blue River; set in the top of the west end of the north bridge seat, 11.8 feet west from the center line of the road, 2.6 feet below the roadway, 0.9 foot north from the south face of the bridge seat; a Department of Natural Resources brass control station tablet; stamped "WIT 19 1976".

**864.851 feet NGVD 1929**

**DNR TBM WLK 109, 1977**

In Whitley County, Ege Quadrangle, in the NE ¼ of Sec. 4, T. 33 N., R. 10 E., 2<sup>nd</sup> PM, about 3.27 miles northwest of Churubusco; 3.2 miles northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a north-south crossroad (650 East Road), thence 0.4 mile north to a 36-foot bridge over Blue River; set in the top of the north end of the east vertical steel guardrail post, 10.5 feet east from the center line of the road, 2.9 feet south from the south face of the north abutment, 2.1 feet above the roadway; a filed notch.

**868.363 feet NGVD 1929**

**DNR TBM WLK 110, 1977**

In Whitley County, Ege Quadrangle, in the SE ¼, Sec. 34, T. 33 N., R. 10 E., 2<sup>nd</sup> PM, about 2.9 miles northwest of Churubusco; at the County Line Road 18-foot steel pipe culvert over Blue River; set in south side of power pole # 20375 on the north side of the road, 64 feet west from the center line of the culvert, 25.0 feet east from the center line of a driveway north, 20.0 feet north from the center line of the road, 0.9 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 110 1977".

**870.430 feet NGVD 1929**

**DNR BM WIT 20, 1976**

In Whitley County, Ege Quadrangle, in NE ¼ of Sec. 3, T. 33 N., R. 10 E., 2<sup>nd</sup> PM about 2.9 miles northwest of Churubusco; 2.2 miles northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a T-road north (750 East Road), thence 0.85 mile north to an east-west crossroad (County Line Road), thence 0.25 mile west to a farm drive south; set in the top of a concrete post in the southeast quarter of the junction, 215 feet east from the center line of an 18-foot steel pipe culvert in Blue River, 20.6 feet south from the center line of the road, 10.4 feet east from the center line of the farm drive, 0.5 foot north from a fence corner post, level with the roadway; a Department of Natural Resources control station tablet, stamped "WIT 20 1976".

**871.331 feet NGVD 1929**

**DNR TBM WLK 111, 1977**

In Whitley County, Ege Quadrangle, in the W ½ of Sec. 3, T. 33 N., R. 10 E., 2<sup>nd</sup> PM, about 2.4 miles northwest of Churubusco; 2.2 miles northwest along U.S. Highway 33 from its intersection with State Road 205 in Churubusco to a T-road north (750 East Road), thence 0.35 mile north to a 6-foot steel pipe culvert in Growcock Branch; set in the top of the west end of the culvert, 40.9 feet west from the center line of the road, 6.0 feet below the roadway; the center of two filed notches.

**862.793 feet NGVD 1929**

**DNR TBM WLK 19, 1976**

In Whitley County, Laud Quadrangle, in the Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.5 miles south of Columbia City; 1.7 miles south and southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a T-road south (Washington Road), thence 0.8 mile south to a high tension power line tower on the east side of the road; set in the top of the west corner of the base of the tower, 45.4 feet north from the center line of a private drive east, 35.3 feet east from the center line of the road, 0.6 foot above the ground; a painted filed triangle.

**816.480 feet NGVD 1929**

**USCE BM**

In Whitley County, Laud Quadrangle, in the Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.7 miles southwest of Columbia City; 1.7 miles south and southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a T-road south (Washington Road), thence 1.1 miles south to a concrete bridge over Eel River; set in the top of the northwest concrete curb, 12.9 feet west from the center line of the road, 1.3 feet south from the north end of the concrete curb, 0.6 foot above the roadway; a U.S. Corp of Engineers survey mark tablet, not stamped.

**808.330 feet NGVD 1929**

**DNR TBM WLK 36, 1977**

In Whitley County, Lorane Quadrangle, in the W ½ of Sec. 7, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 3.6 miles southeast of Larwill; 3.0 miles east along U.S. Highway 30 from its intersection with State Road 5 in Larwill to a north-south crossroad (400 West Road), thence 1.5 miles south to an east-west crossroad (Old Trail Road), thence 0.05 mile east to a 6-foot corrugated pipe culvert over Betzner Branch; set in the top of the south end of the culvert 28.0 feet south from the center line of the road, 6.0 feet below the roadway; the center of two filled notches.

**842.382 feet NGVD 1929**

**DNR TBM WLK 41, 1977**

In Whitley County, Lorane Quadrangle, in the NW ¼ of Sec. 26, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 1.0 mile west-southwest of Lorane; 0.2 mile south along 350 West Road from its intersection with Lincoln Way Road at Lorane to a T-road west (275 North Road), thence 1.0 mile west to a T-road south (450 West Road); set in the top of the southwest corner of a 6-foot concrete headwall of a 1-foot pipe culvert under the road in the southeast quarter of the junction, 36.2 feet east from the center line of the T-road, 19.5 feet south from the center line of the east-west road, level with the roadway; a painted chiseled triangle.

**926.950 feet NGVD 1929**

**DNR TBM WLK 42, 1977**

In Whitley County, Lorane Quadrangle, in the SE ¼ of Sec. 27, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 1.45 mile southwest of Lorane; 1.2 mile south along 350 West Road from its intersection with Lincoln Way Road at Lorane to an east-west crossroad (200 North Road), thence 1.0 mile west to a north-south crossroad (450 West Road); set in the west side of power pole # 13949 in the northwest quarter of the junction, 17.1 feet north from the center line of the north-south road, 1.4 feet above the ground, level with the roadway; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 42 1977".

**939.446 feet NGVD 1929**

**DNR BM WIT 44, 1976**

In Whitley County, Lorane Quadrangle, in the SE ¼ of Sec. 10, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.5 miles northwest of Lorane; at the 500 North Road bridge over Cedar Lake Branch; set in the top of a concrete wall on the west side of the road, 41.5 feet west from the center line of the road, 8.4 feet below the roadway, 2.0 feet west from the east face of the wall, 0.5 foot south from the north face of the wall; a Department of Natural Resources control station tablet, stamped "WIT 44 1976".

**906.248 feet NGVD 1929**

**DNR TBM WLK 32A 1977**

In Whitley County, Lorane Quadrangle, in the SE ¼ of Sec. 9, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 3.05 miles northwest of Lorane; at the 550 West Road 36-foot bridge over Cedar Lake Branch; set in the top of the northwest concrete wingwall of the bridge, 13.5 feet west from the center line of the road, 1.5 feet below the roadway, 1.0 foot south from the north end of the wingwall; a painted chiseled triangle.

**907.521 feet NGVD 1929**

**DNR TBM WLK 17, 1976**

In Whitley County, Lorane Quadrangle, in Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 2.6 miles southwest of Columbia City; 2.6 miles south and southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a small concrete bridge over County Farm Ditch; set in the top of the northwest wingwall 24.0 feet northwest from the center line of the highway, 0.7 foot below the roadway, 0.6 foot southwest from the northwest face of the wingwall; a chiseled triangle.

**814.436 feet NGVD 1929**



**USC&GS BM R 165, 1946**

In Whitley County, Lorane Quadrangle, in the NW ¼ of Sec. 13, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.0 miles north of Lorane; 2.0 miles north along 350 West Road from its intersection with Lincoln Way Road at Lorane to a turn west (500 North Road); set in the top of a concrete post in the southeast quarter of the turn, 39.0 feet south from the extended center line of the east-west road, 1.5 feet west from a fence line, level with the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped “R 165 1947.”

**931.330 feet NGVD 1929**

(Revised Elevation)

**USGS RM Gaging Station Goose Lake**

In Whitley County, Lorane Quadrangle, in the SW ¼ of Sec. 12, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.4 miles south-southeast of Etna; 1.8 miles generally south along Etna Road from its intersection with 750 North Road at Etna to a T-road east (600 North Road), thence 0.4 mile east to a north-south crossroad (Etna Road), thence 0.5 mile south and southeast to a parking lot; set in the top of a lake level monument on the west side of the parking lot, 80 feet west from the west edge of the parking lot, 77 feet west from a telephone pole near the southwest corner of the parking lot, 20 feet north from the north edge of the lake, 2.0 feet above the ground, U.S. Geological Survey gaging Station tablet, not stamped.

**915.697 feet NGVD 1929**

**DNR BM WIT 42, 1976**

In Whitley County, Lorane Quadrangle, in the NW ¼ of Sec. 12, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.24 miles south-southwest of Etna; 1.8 miles generally south along Etna Road from its intersection with 750 North Road at Etna to a T-road east (600 North Road), thence 0.4 mile east to a north-south crossroad (Etna Road), thence 0.5 mile south and southeast to T-road south (Walker Road), set in top of a concrete post in the southwest quarter of the junction, 17.3 feet south from the center line of Etna Road, 1.7 feet east from the power pole #08861, level with the roadway; a Department of Natural Resources control station tablet, stamped “WIT 42 1976”.

**922.676 feet NGVD 1929**

**DNR BM WIT 50, 1976**

In Whitley County, Lorane Quadrangle, in the SW ¼, Sec. 35, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 3.0 miles east of Larwill; 3.05 miles east along U.S. Highway 30 from its intersection with State Road 5 in Larwill to a north-south crossroad (400 West Road), thence 0.2 mile generally north to a T-road north leading to Wilson Lake, thence 0.05 mile north to a T-road east leading across an earth dam; set in top of a concrete post in the northeast quarter of the junction; 19.5 feet north from the center line of the T-road east, 17.0 feet east from the center line of the north-south road, 0.1 foot above the ground; a Department of Natural Resources control station tablet, stamped "WIT 50 1976".

**892.872 feet NGVD 1929**

**USC&GS Leedy 1946 Azimuth**

In Whitley County, Lorane Quadrangle, in the SW ¼ of Sec. 23, T. 32 N. R. 8 E., 2<sup>nd</sup> PM, about 3.6 miles northeast of Larwill; 2.8 miles north along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Lincoln Way Road), thence 3.2 miles east to a barn entrance drive southwest; set in the top of a concrete post on the south side of the road, 49.4 feet south from the center line of the road, 38.8 feet east from the center line of the entrance drive 14.0 feet east from a fence corner post, 2.3 feet north from a fence line, 0.2 foot above the ground; a U.S. Coast and Geodetic Survey azimuth mark tablet, stamped "LEEDY 1946".

**938.806 feet NGVD 1929**

*Found 5/20/97 BC*

**USC&GS Leedy No.1 1946**

In Whitley County, Lorane Quadrangle, in the SW ¼ of Sec. 23, T. 32 N., R. 8E. , 2<sup>nd</sup> PM, about 3.4 miles northeast of Larwill; 2.8 miles north along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Lincoln Way Road), thence 2.8 miles east to a private driveway northeast; set in the top of a concrete post on the north side of the road, 70 feet southeast from the center line of the driveway, 47.3 feet northeast from the center line of the road, 1.5 feet above the roadway, flush with the ground; a U.S. Coast and Geodetic Survey triangulation station tablet, stamped "LEEDY No. 1 1946."

**958.854 feet NGVD 1929**

*Found 5/20/97 BC*

**USC&GS BM T 165, 1946**

In Whitley County, Lorane Quadrangle, in the NW ¼ of Sec. 25, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, at Lorane; at the intersection of Lincoln Way Road with 350 West Road at Lorane; set in the top of the west end of the south concrete headwall of a 16-inch pipe culvert in the southeast quarter of the intersection, 207 feet east from the center line of the north-south road, 46 feet south from the center line of the east-west road, 15.0 feet north from a fence line, level with the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "T 165 1946".

**946.793 feet NGVD 1929**

**DNR TBM WLK 40, 1977**

In Whitley County, Lorane Quadrangle, in the NE ¼ of Sec. 26, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 0.3 mile southwest of Lorane; at the 275 North Road 24-inch pipe culvert over Jones Branch; set in the southwest side of an 18-inch maple tree on the north side of the road, 53 feet north from the center line of the road, 20.0 feet east from the center line of the culvert, 1.5 feet below the roadway, 1.5 feet above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 40 1977".

**921.052 feet NGVD 1929**

**DNR BM WIT 52, 1976**

In Whitley County, Lorane Quadrangle, in the NE ¼ of Sec. 7, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 40.5 miles east-southeast of Larwill; at the 300 West Road culvert over Knisely Ditch; set in the top of a concrete post on the west side of the road, 38.2 feet south from the center line of the culvert, 18.0 feet west from the center line of the road, 0.9 foot north from the utility pole #F1-71/SPC/630, level with the roadway; a Department of Natural Resources control station tablet, stamped "WIT 52 1976".

**866.848 feet NGVD 1929**

**USC&GS BM E 333, 1968**

In Whitley County, Lorane Quadrangle, in the S ½ of Sec. 32, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, in Larwill, 0.1 mile southeast along the Pennsylvania Railroad from its intersection with State Road 5 in Larwill to a north-south overpass road; set in the top of the southeast end of the southwest pier's concrete base of the overpass, 10.5 feet southwest from the southwest rail of the east-bound track, 7.0 feet northwest of the southeast end of the base, 1.0 foot above the level of the track; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "E333 1968".

**948.627 feet NGVD 1929**

**USGS RM Gaging Station Larwill Lake**

In Whitley County, Lorane Quadrangle, in the NW ¼ of Sec. 3, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 0.5 mile south of Larwill; 0.2 mile south along State Road 5 from its intersection with U.S. Highway 30 in Larwill to a T-road west (State Road 5) and a north-south road (Old Trail Road), thence 0.1 mile south and east to a T-road south (700 West Road), thence 0.25 mile south to a gravel boat ramp for Larwill Lake on the east side of the road; set in the top of a lake level monument on the east side of the road, 24.0 feet south from the center line of the ramp, 22.5 feet east from the center line of the road, 1.0 foot above the ground; a U.S. Geological Survey Gaging Station tablet, not stamped.

**899.145 feet NGVD 1929**

**DNR BM WIT 51, 1976**

In Whitley County, Lorane Quadrangle, in the NW ¼ of Sec. 3, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 0.5 mile south of Larwill; 0.2 mile south along State Road 5 from its intersection with U.S. Highway 30 in Larwill to a T-road west (State Road 5) and a north-south road (Old Trail Road), thence 0.1 mile south and east to a T-road south (700 West Road), thence 0.25 mile south to a gravel boat launching ramp for Larwill Lake on the east side of the road; set in the top of a concrete post on the west side of the road, 77 feet south from the center line of the ramp, 23.5 feet west from the center line of the road, 3.3 feet south from power pole #18727, 0.1 foot above the ground, a Department of Natural Resources control station tablet, stamped "WIT 51 1976".

**903.100 feet NGVD 1929**

**USC&GS BM T 14, 1930**

In Whitley County, Lorane Quadrangle, in the SE ¼ of Sec. 6, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 4.15 miles east-southeast of Larwill; at the intersection of 300 West Road and the Pennsylvania Railroad; set in the top of a concrete post in the southwest quarter of the intersection, 64 feet southwest from the center line of the road, 28.5 feet south from the south rail of the east-bound track, above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "T 14 1930".

**885.602 feet NGVD 1929**

**DNR TBM WLK 35, 1977**

In Whitley County, Lorane Quadrangle, in the SE ¼ of Sec. 7, 31 N., R. 9 E., 2<sup>nd</sup> PM, about 4.2 miles southeast of Larwill; at the intersection of 300 West Road and Old Trail Road; set in the northeast side of power pole #00469 in the southwest quarter of the junction, 17.5 feet south from the center line of the east-west road, 9.0 feet west from the extended center line of the north-south road, 1.5 feet above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 35 1977".

**883.760 feet NGVD 1929**

**USC&GS BM S 165, 1946**

In Whitley County, Lorane Quadrangle, in the SE ¼ of Sec. 14, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.0 mile north of Lorane; 1.0 mile north along 350 West Road from its intersection with Lincoln Way Road at Lorane to an east-west crossroad (400 North Road); set in the top of a concrete post in the northwest quarter of the intersection, 65 feet west from the center line of the north-south road, 20 feet north from the center line of the east-west road, 10 foot below the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "S 165 1946".

**960.621 feet NGVD 1929**

**DNR BM WIT 49, 1976**

In Whitley County, Lorane Quadrangle, in the NE ¼ of Sec. 35, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 3.3 miles east along U.S. Highway 30 from its intersection with State Road 5 in Larwill to a T-road north (Wilson Road), thence 0.8 mile north to a bridge over Brown Ditch; set in the top in the center of the south headwall of the bridge, 12.0 feet south from the center line of the road, 2.0 feet above the roadway; a Department of Natural Resources control station tablet, stamped "WIT 49 1976".

**878.404 feet NGVD 1929**

**USC&GS BM S 14, 1930**

In Whitley County, Lorane Quadrangle, in the W ½ of Sec. 2, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 1.3 miles southeast of Larwill; 1.1 miles generally southeast along Old Trail Road from its junction with 700 West Road in Larwill to a T-road south (600 West Road), thence 0.2 mile east to a USC&GS witness post on the northeast side of the road; set in the top of a concrete post, 31.7 feet southwest from the south rail of a railroad track, 22.0 feet northwest from the center line of the road, 0.2 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "S 14 1930."

**924.116 feet NGVD 1929**

**DNR BM WIT 47, 1976**

In Whitley County, Lorane Quadrangle, in the NE ¼, Sec. 30 T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 1.8 miles southeast of Lorane; 0.75 mile southeast along Lincoln Way Road from its intersection with 350 West Road at Lorane to a T-road north (Scheckler Road), thence 1.2 miles north and east to private driveway north leading to a barn and house; set in the top of a concrete post on the south side of the road, 152 feet east from the extended center line of the driveway north, 17.8 feet south from the center line of the road; a Department of Natural Resources control station tablet, stamped "WIT 47 1976".

**928.840 feet NGVD 1929**

**DNR TBM WLK 34, 1977**

In Whitley County, Lorane Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 11, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 1.8 miles south of Etna; 1.14 miles west along 750 North Road from its intersection with Etna Road at Etna to a T-road south (550 West Road), thence 1.6 miles south to an east-west crossroad (600 North Road), thence 0.75 mile east to a 1-foot pipe culvert under the road with a 5-foot concrete headwall; set in the top near the center of the northeast headwall, 24.0 feet southeast from the center line of a farm entrance road, 13.0 feet northeast from the center line of the road, 0.7 foot above the roadway; a painted chiseled triangle.

**920.611 feet NGVD 1929**

**USC&GS BM Q 165, 1946**

In Whitley County, Lorane Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 11, T. 32 N., R. 8 E 2<sup>nd</sup> PM, about 2.68 miles north of Lorane; 2.0 miles north along 350 West Road from its intersection with Lincoln Way Road at Lorane to a turn west (500 North Road), thence 0.25 mile west to a T-road north (375 West Road), thence 0.6 mile north to a T-road west (600 North Road); set in the top of a concrete post in the northwest quarter of the junction, 35.6 feet north from the center lien of the T-road west, 29.2 feet west from the center line of the north-south road, 0.9 foot southeast from a fence, level with the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "Q 165 1946".

**943.946 feet NGVD 1929**

(Revised Elevation)

**DNR BM WIT 48, 1976**

In Whitley County, Lorane Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 27, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.5 miles northeast of Larwill; at the 275 North Road metal pipe culvert over Sattison Ditch; set in the top of a concrete post on the south side of the road, 32.0 feet east from the center line of the culvert, 17.0 feet south from the center line of the road, 1.8 feet north from a fence line, 0.1 foot above the ground; a Department of Natural Resources control station tablet, stamped "WIT 48 1976".

**908.554 feet NGVD 1929**

**DNR BM WIT 53, 1976**

In Whitley County, Lorane Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 11, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.5 miles southeast of Larwill; 3.0 miles east along U.S. Highway 30 from its intersection with State Road 5 in Larwill to a north-south crossroad (400 West Road), thence 1.5 miles south to an east-west crossroad (Old Trail Road) and a road west, thence 0.63 mile west to a pipe culvert under the road in the outlet channel for Souder Lake; set in the top of a concrete post on the north side of the road, 17.4 feet west from the center line of the culvert, 15.8 feet north from the center line of a road, 9.0 feet east from the extended center line of the field entrance south, flush with the ground; a Department of Natural Resources control station tablet, stamped "WIT 53 1976".

**838.702 feet NGVD 1929**

**DNR TBM WLK 38, 1977**

In Whitley County, Lorane Quadrangle, in the W  $\frac{1}{2}$  of Sec. 11, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.1 miles southeast of Larwill; 3.0 miles east along U.S. Highway 30 from its intersection with State Road 5 in Larwill to a north-south crossroad (400 West Road), thence 1.5 miles south to an east-west crossroad (Old Trail Road), thence 0.63 mile west to a T-road northwest and a road west, thence 1.3 miles west to a north-south crossroad (600 West Road); set in the northwest side of a power pole #18685 in the southeast quarter of the junction, 21.0 feet south from the center line of the east-west road, 19.5 feet east from the center line of the north-south road, 1.0 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 38 1977".

**882.791 feet NGVD 1929**

**DNR TBM WLK 37, 1977**

In Whitley County, Lorane Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 12, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.95 miles southeast of Larwill; at the Old Trail Road 42-foot concrete bridge over Spring Creek; set in the top of the southeast corner of the bridge floor, 11.0 feet southeast from the center line of the road, 1.5 feet north from the south end of the bridge, level with the roadway; a painted chiseled triangle.

**848.110 feet NGVD 1929**

**DNR TBM WLK 44, 1977**

In Whitley County, Lorane Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 26, T. 32 N., R. 9 E., 2<sup>nd</sup> PM<sub>2</sub>, about 1.0 mile south of Lorane; 1.0 mile south along 350 West Road from its intersection with Lincoln Way Road at Lorane to an east-west crossroad (200 North Road); set in the top of the west end of an 18-inch iron pipe culvert, 210 feet north from the center line of the east-west road, 12.0 feet west from the center line of the north-south road, 5.0 feet below the roadway; the center of two chiseled notches.

**898.014 feet NGVD 1929**

**USC&GS BM U 165, 1946**

In Whitley County, Lorane Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 25, T. 32 N., R. 8 E., 2<sup>nd</sup> PM<sub>2</sub>, about 0.8 mile southeast of Lorane; 0.8 mile generally southeast along Lincoln Way Road from its intersection with 350 West Road at Lorane to a 20-foot concrete bridge over Spring Creek; set in the top of the northwest abutment, 28.0 feet northeast from the center line of the road, 0.5 foot northeast from a concrete guardrail, level with the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "U 165 1946."

**897.544 feet NGVD 1929**

**DNR TBM WLK 39, 1977**

In Whitley County, Lorane Quadrangle, in the NE  $\frac{1}{4}$ , Sec. 30, T. 32N., R. 9E., 2<sup>nd</sup> PM, about 1.0 mile east-southeast of Lorane; 0.75 mile southeast along Lincoln Way Road from its intersection with 350 West Road at Lorane to a T-road north (Scheckler Road), thence 0.4 mile north and east to a north-south crossroad (250 West Road); set in the top of a concrete fence corner post base in the northeast quarter of the intersection, 19.1 feet east from the center line of the east-west road, 0.1 foot above the roadway; a painted chiseled triangle.

**918.190 feet NGVD 1929**

**USGS BM 147M 1945**

In Whitley County, Lorane Quadrangle, in the S  $\frac{1}{2}$  of Sec. 17, T. 32 N., R. 8 E., 2<sup>nd</sup> PM<sub>2</sub>, about 2.8 miles north of Larwill; at the intersection of State Road 5 and Lincoln Way Road; set in the top of a concrete base of a fence post in the northeast quarter of the intersection, 51 feet north from the centerline of the east-west road, 42.0 feet east from the centerline of the highway, 3.5 feet below the highway, 0.6 foot southwest from a steel railroad track fence post; a U.S. Geological Survey bench mark tablet, stamped "147 M 1945 929".

**928.407 feet NGVD 1929**



**DNR BM WIT 43, 1976**

In Whitley County, Lorane Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 14, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.05 mile north-northwest of Lorane; 2.0 mile north along 350 West Road from its intersection with Lincoln Way Road at Lorane to a turn west (500 North Road), thence 0.67 mile west to REMC utility pole #12442; set in the top of a concrete post in the south side of the road, 20.5 feet south from the center line of the road, 2.3 feet below the roadway, 1.0 foot west from the utility pole, 0.7 foot north from a fence line; a Department of Natural Resources control station tablet, stamped "WIT 43 1976."

**916.072 feet NGVD 1929**

**DNR TBM WLK 31, 1977**

In Whitley County, Lorane Quadrangle, in the NW  $\frac{1}{4}$  Sec. 14, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.2 miles north-northwest of Lorane; 2.0 miles north along 350 West Road from its intersection with Lincoln Way Road at Lorane to a turn west (500 North Road), thence 1.0 mile west to a T-road south (450 West Road); set in the south side of power pole # 22479 in the southwest quarter of the junction, 38.0 feet south from the center line of the east-west road, 20.0 feet west from the center line of the T-road south, 1.0 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 31 1977."

**916.872 feet NGVD 1929**

**USGS BM 145M 1945**

In Whitley County, Lorane Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 35, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 3.05 miles northeast of Larwill; 3.3 miles east along U.S. Highway 30 from its intersection with State Road 5 in Larwill to a T-road north (Wilson Road), thence 1.0 mile generally north and west to a field entrance road south; set in the top of a concrete post on the south side of the road, 10.0 feet south from the extended center line of the east-west road, 20.0 feet west from the centerline of the field entrance road, 9.0 feet northeast of a fence line corner, 0.4 foot above the ground; a U.S. Geological Survey bench mark tablet, stamped "145 M 1945".

**900.212 feet NGVD 1929**

**DNR TBM WLK 43, 1977**

In Whitley County, Lorane Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 35, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.9 mile southwest of Lorane; 1.2 miles south along 350 West Road from its intersection with Lincoln Way Road at Lorane to an east-west crossroad (200 North Road), thence 1.0 mile west to a north-south crossroad (450 West Road), thence 0.65 mile south to a northwest-southeast crossroad (Plattner Road); set in the north side of power pole #11887 in the southeast quarter of the junction, 240 feet east from the extended center line of the T-road north, 18.2 feet south from the center line of the northwest-southeast road, 2.7 feet above the roadway, 1.1 feet above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 43 1977".

**929.142 feet NGVD 1929**

**USGS TBM 906.0**

In Whitley County, Merriam Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 4, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 3.1 miles southeast of Merriam (Noble County); at the intersection of U.S. Highway 33 and 550 East Road; set in the top of the northwest corner of a 14-inch concrete L-shaped culvert in the southeast quarter of the intersection, 18.0 feet south from the centerline of the highway, 14.0 feet east from the centerline of the north-south road, 0.5 foot above the roadway; a chiseled square.

**905.969 feet NGVD 1929**

**DNR TBM WLK 107, 1976**

In Whitley County, Merriam Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 4, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 3.5 miles southeast of Merriam (Noble County); at the intersection of 550 East Road and 600 North Road; set in the top of the east end of the east headwall of a 1-foot concrete pipe culvert under the road, in the northeast quarter of the intersection, 44.5 feet north from the center line of the north-south road, 0.5 foot west from the east end of the culvert, level with the roadway; a chiseled triangle.

**888.517 feet NGVD 1929**

**USC&GS BM B 165, 1946**

In Whitley County, Merriam Quadrangle, in the NW ¼ of Sec. 4, T. 32 N., R. 10 E., 2<sup>nd</sup> PM, about 3.5 miles southeast of Merriam (Noble County); 3.5 miles southeast along U.S. Highway 33 from its intersection with State Road 9 at Merriam to a 14-inch pipe culvert under the highway; set in the top of the southeast end of the southwest concrete headwall of the culvert, 61 feet northwest from the center line of the highway, 1.5 feet northwest from the southeast end of the headwall, 0.9 foot below the highway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "B165 1946".

**885.861 feet NGVD 1929**

**ISHC BM F 19 WHIT**

In Whitley County, Merriam Quadrangle, in the SE ¼ of Sec. 3, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.9 miles southwest of Merriam (Noble County); at the State Road bridge over the channel between Catfish and Shriner Lakes; set in the top of the southwest corner of the bridge, 18.0 feet west from the center line of the highway, 0.8 foot above the roadway, 0.4 foot east from the west edge of the bridge; an Indiana State Highway Commission bench mark tablet, stamped "F 19 WHIT".

**939.017 feet NGVD 1929**

**DNR BM WIT 35, 1976**

In Whitley County, Merriam Quadrangle, in the NE ¼ of Sec. 3, T. 32 N., R. 9 E., 2<sup>nd</sup> PM, about 2.6 miles southwest of Merriam (Noble County); 2.5 mile southwest along State Road 9 from its intersection with U.S. Highway 33 at Merriam to a T-road west (Pressler Road), thence 0.1 mile west to a T-road south (Dove Lane), thence 0.1 mile generally south to the southern most turn west (private drive); set in the top of a concrete post on the extended center line of a north-south driveway, 109 feet south from the center line of a north-south driveway, 109 feet south from the center line of a pipe culvert under the road, 5.5 feet south from the center line of the east-west private drive, 1.8 feet north from an east-west fence line, flush with the ground; a Department of Natural Resources control station tablet, stamped "WIT 35 1976".

**907.51 feet NGVD 1929**

***Third Order Revised Elevation Avg. 1990 RWW***

**DNR BM WIT 37, 1976**

In Whitley County, Ormas Quadrangle, in the SE ¼ of Sec. 25, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 1.6 miles northeast of Etna; 0.9 mile east along 750 North Road from its intersection with Etna Road at Etna to a turn north (350 West Road), thence 0.65 mile east and northeast to a T-road north (Buckles Road), thence 0.65 mile east and northeast to a T-road north (300 West Road); set in the top of a concrete post in the southeast quarter of the junction, 49.5 feet south from the centerline of the east-west road, 37.8 feet east from the centerline of T-road north, 2.3 feet south from a power pole, level with the ground; a Department of Natural Resources control station tablet stamped "WIT 37 1976".

**911.008 feet NGVD 1929**

**DNR BM WIT 36, 1976**

In Whitley County, Ormas Quadrangle, in the SE ¼ of Sec. 25, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 1.8 miles northeast of Etna; 0.9 mile east along 750 North Road from its intersection with Etna Road at Etna to a turn north (350 West Road), thence 0.5 mile north to a T-road east (Buckles Road), thence 1.0 mile generally northeast; east and south to a bridge over an inlet channel for Loon Lake; set in the southwest corner of the bridge, 12.5 feet west from the centerline of the road, 0.4 foot north from the south end of the bridge, level with the roadway; a Department of Natural Resources control station tablet, stamped "WIT 36 1976".

**906.991 feet NGVD 1929**

**USGS RM No. 2 Gaging Station Loon Lake**

Whitley County, Ormas Quadrangle, in the SE ¼ of Sec. 25, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 1.7 miles northeast of Etna; 0.9 mile east along 750 North Road from its intersection with Etna Road at Etna to a turn north (350 West Road), thence 0.5 mile north to a T-road east (Buckles Road), thence 0.1 mile generally northeast, east and south to a private T-road west; set in the top of a concrete lake level monument in the southwest quarter of the junction, 224 feet west from the centerline of the road, 82 feet south from the center line of the T-road west, 18.0 feet north from the shoreline; a U.S. Geological Survey gaging station tablet, not stamped.

**899.980 feet NGVD 1929**

**DNR TBM WLK 22, 1976**

In Whitley County, Ormas Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 36, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 1.6 miles east of Etna; 0.85 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.5 mile south to a T-road east (700 North Road), thence 1.0 mile east to a T-road north, thence 0.93 mile generally north to a concrete drive east; set in the top of the southwest edge of a 2-foot steel rim of a drop inlet pipe, 16.5 feet east from the centerline of the road, 15.5 feet south from the center line of the concrete drive, 3.0 feet east from power pole #G10/151, 2.8 feet below the roadway; a filed "V".

**900.496 feet NGVD 1929**

**DNR TBM WLK 21, 1976**

In Whitley County, Ormas Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 36, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 1.5 miles southeast of Etna; 0.8 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.5 mile south to a T-road east (700 North Road), thence 1.0 mile east to a T-road north, thence 0.22 mile north to a 24-inch steel pipe culvert under the road in the inlet channel for Loon Lake; set in the top of the east end of the culvert, 26.0 feet north from the centerline of the private drive, 16.0 feet east from the centerline of the northwest-southeast road, 2.5 feet below the roadway; the center of two filed notches.

**895.240 feet NGVD 1929**

**USC&GS BM P 165, 1946**

In Whitley County, Ormas Quadrangle, in the SW  $\frac{1}{4}$  of Sec 2, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.16 miles south-southeast of Etna; 1.2 miles south along Etna Road from its intersection with 750 North Road at Etna to a turn east; set in the top of a concrete post in the southeast quarter of the turn, 36 feet southwest from the centerline of the turn, 14.5 feet east from a steel fence post, 13.0 feet southeast from a power pole, 1.0 foot from a fence line, 1.0 foot below the roadway, 0.2 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "P165 1946".

**940.982 feet NGVD 1929**

**DNR TBM WLK 300, 1977**

In Whitley County, Ormas Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 11, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.68 miles south-southeast of Etna; 1.9 miles generally south along Etna Road from its intersection with 750 North Road at Etna to a turn east and a private drive south leading to Mud Lake; set in the north side of a wooden gate post in the southeast quarter of the junction, 55 feet east from the centerline of the private drive, 9.5 feet south from the centerline of the road, 1.0 foot above the ground, a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 300 1977".

**921.902 feet NGVD 1929**

**DNR BM WIT 41, 1976**

In Whitley County, Ormas Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 3, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.77 miles southwest of Etna; 1.14 miles west along 750 North Road from its intersection with Etna Road at Etna to a T-road south (550 West Road), thence 1.6 miles south to an east-west crossroad (600 North Road), thence 0.4 mile east to a concrete bridge with iron railing; set in the northeast corner of the bridge surface, 10.1 feet north from the centerline of the road, 4.9 feet west from the east edge of the bridge, level with the roadway; a Department of Natural Resources control station tablet, stamped "WIT 41 1976".

**915.453 feet NGVD 1929**

**USGS BM Gaging Station New Lake**

In Whitley County, Ormas Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 2, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.1 miles southeast of Etna; 0.85 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.8 mile generally south to REMC utility pole #08925; set in the top of a concrete lake level monument, 16.4 feet northeast from the center line of the road, 4.1 feet northwest from the power pole, level with the roadway; a U.S. Geological Survey gaging station tablet, not stamped.

**910.738 feet NGVD 1929**

**DNR BM WIT 39, 1976**

In Whitley County, Ormas Quadrangle, in the NW ¼ of Sec. 1, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.1 miles southeast of Etna; 0.85 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.4 mile south to a T-road east (700 North Road), thence 0.35 mile east to a concrete bridge over a channel between Old Lake and New Lake; set in the southwest wingwall of the bridge, 12.5 feet south from the center line of the road, 0.6 foot north from the south face of the wingwall, 0.1 foot below the roadway; a Department of Natural Resources control station tablet, stamped "WIT 39 1976".

**(Destroyed)**

**909.384 feet NGVD 1929**

**DNR TBM WLK 20, 1976**

In Whitley County, Ormas Quadrangle, in the NW ¼ of Sec. 1, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 1.1 miles southeast of Etna; 0.85 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.4 mile south to a T-road east (700 North Road), thence 0.6 mile east to a private drive south; set in the north side of power pole #E7 in the southeast quarter of the junction, 19.0 feet south from the center line of the road, 19.0 feet east from the center line of the drive south, 1.0 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 20".

**928.302 feet NGVD 1929**

**USGS BM 150 M 1945**

In Whitley County, Ormas Quadrangle, in the NW ¼ of Sec. 2, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 0.5 mile south-southeast of Etna; 0.5 mile south along Etna road from its intersection with 750 North Road at Etna to a T-road west (700 North Road); set in the top of a concrete post in the southeast quarter of the junction, 28.0 feet south from the extended center line of the T-road west, 23.0 feet east from the center line of Etna Road, 3.0 feet above the roadway; a U.S Geological Survey bench mark tablet, stamped "150 M 1945".

**938.302 feet NGVD 1929**

**USC&GS BM N 165, 1946**

In Whitley County, Ormas Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 35, T. 22 N., R. 8 E., 2<sup>nd</sup> PM, at Etna; at the intersection of Etna Road and 750 North Road; set in top of a concrete post in the southwest quarter of the intersection, 41.0 feet west from the center line of the east-west road, flush with the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "N 165 1946".

**935.615 feet NGVD 1929**

**DNR BM WIT 38, 1976**

In Whitley County, Ormas Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 35, T. 33 N., R. 8 E., 2<sup>nd</sup> PM; about 0.8 mile southeast of Etna; 0.9 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.25 mile south to a concrete bridge over a channel for Old Lake; set in the top of the southeast wingwall of the bridge, 12.4 feet east from the center line of the road, 0.4 foot northwest from the southeast face of the wingwall, level with the roadway; a Department of Natural Resources control station tablet, stamped "WIT 38 1976".

**906.848 feet NGVD 1929**

**USGS RM NO. 4 Gaging Station Old Lake**

In Whitley County, Ormas Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 35, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 0.8 miles southeast of Etna; 0.9 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.2 mile south to an entrance road east leading to a public fishing site; set in the top of a concrete lake level monument in the northeast quarter of the junction, 31.0 feet east from the center line of the road, 22.0 feet north from the center line of the entrance road east, 2.4 feet above the ground; a U.S. Geological Survey gaging station tablet, not stamped.

**910.688 feet NGVD 1929**

**USGS UE**

In Whitley County, Ormas Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 36, T. 33 N., R. 8 E., 2<sup>nd</sup> PM, about 1.1 miles southeast of Etna; 0.85 mile east along 750 North Road from its intersection with Etna Road at Etna to a T-road south (350 West Road), thence 0.4 mile south to a T-road east (700 North Road), thence 0.35 mile east to a concrete bridge over a channel between Old Lake and New Lake, set in the top of the northwest wingwall of the bridge, 20.0 feet from the center line of a T-road, 11.6 feet north from the center line of the road, 0.7 foot east from the east end of a concrete guardrail; a chiseled square.

**908.586 feet NGVD 1929**



**USGS BM TT 9 GDF 1946**

In Whitley County, Ormas Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 3, T. 32 N., R. 8 E., 2<sup>nd</sup> PM<sub>1</sub>, about 3.5 miles northeast of Lorane; 2.3 miles northwest and West along Lincoln Way Road from its intersection with 350 West Road at Lorane to a north-south crossroad (550 West Road), thence 2.0 miles north to an east-west crossroad (600 North Road); set in the top of a concrete post in the southwest quarter of the intersection, 34.0 feet west from the center line of the north-south road, 21.5 feet south from the center line of the east-west road, 10.5 feet west from a fence corner post, 1.5 feet above the roadway, 0.2 foot above the ground; a U.S. Geological Survey bench mark tablet stamped "TT 9 GDF 1946".

**933.426 feet NGVD 1929**

**DNR TBM WLK 33, 1977**

In Whitley County, Ormas Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 3, T. 32 N., R. 8 E., 2<sup>nd</sup> PM<sub>1</sub>, about 3.5 miles northwest of Lorane; at the intersection of 550 West Road and 600 North Road; set in the top of a concrete fence post base, in the northeast quarter of the intersection, 22.0 feet east from the center line of the north-south road, 20.5 feet north from the center line of the east-west south road, 1.5 feet above the roadway; a painted chiseled triangle.

**935.904 feet NGVD 1929**

**DNR BM WIT 40, 1976**

In Whitley County, Ormas Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 1, T. 32 N., R. 8 E., 2<sup>nd</sup> PM<sub>1</sub>, about 1.9 miles southeast of Etna; at the 700 North Road concrete bridge over Winters Ditch; set in the top of the southeast wingwall, 11.3 feet south from the center line of the road, 0.8 foot north from the south face of the wingwall, 0.6 foot below the roadway; a Department of Natural Resources control station tablet, stamped "WIT 40 1976".

**898.722 feet NGVD 1929**

**USC&GS BM U 186, 1946**

In Whitley County, Pierceton Quadrangle, in the S  $\frac{1}{2}$  of Sec. 9, T. 31 N., R. 8 E., 2<sup>nd</sup> PM<sub>1</sub>, about 2.35 miles south-southwest of Larwill; 0.2 mile south along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Old Trail Road, State Road 5), thence 2.1 miles south to a T-road west (100 South Road); set in the top of a concrete post in the northeast quarter of the junction, 49.9 feet north from the extended center line of the T-road, 38 feet east from the center line of the highway, 1.0 foot above the highway, 0.4 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "U 186 1946".

**920.603 feet NGVD 1929**

**DNR TBM WLK 124, 1977**

In Whitley County, Pierceton Quadrangle, in the SE ¼ of Sec. 8, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.7 miles south-southwest of Larwill; 0.2 mile south along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Old Trail Road, State Road 5), thence 0.5 mile west to a T-road south (State Road 5), thence 2.1 miles south to a T-road west (100 South Road), thence 0.85 mile west to a 3-foot steel pipe culvert under the road; set in the top of the north end of the culvert, 20.0 feet north of the centerline of the road, 2.5 feet below the road; the center of two filed notches.

**900.511 feet NGVD 1929**

**DNR BM WIT 54, 1976**

In Whitley County, Pierceton Quadrangle, in the SW ¼ of Sec. 8, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.9 miles southwest of Larwill; 0.2 mile south along State Road 5 from its intersection with U.S. Highway 30 in Larwill to a east-west crossroad (Old Trail Road, State Road 5), thence 0.5 mile west to a T-road south (State Road 5), thence 1.15 miles south to an east-west crossroad (Division Road), thence 1.5 miles west to a T-road south (900 West Road), thence 0.8 mile south to a private drive east; set in the top of a concrete post in the southeast quarter of the junction, 381 feet south from the centerline of the private drive east, 12.7 feet east from the centerline of the road, 1.9 feet west from a fence corner post, 0.2 foot above the ground; a Department of Natural Resources control station tablet, stamped "WIT 54 1976".

**903.139 feet NGVD 1929**

**USC&GS BM Z 187, 1946**

In Whitley County, Pierceton Quadrangle, in the S ½ of Sec. 32, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, in Larwill; 0.05 mile northwest along the Pennsylvania Central Railroad from its intersection with State Road 5 in Larwill to a north-south crossroad; set in the top of a concrete post in the southeast quarter of the intersection, 128 feet southeast from the intersecting centerlines of the road and the east bound track, 26.4 feet southwest from the southwest rail of the east-bound track, 3.5 feet east from a telephone post, 2.0 feet below the level of the track surface, 1.1 feet southeast from a metal witness post, 0.1 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "Z 187 1946".

**949.004 feet NGVD 1929**

**USC&GS BM S 186, 1946**

In Whitley County, Pierceton Quadrangle, in the NE ¼ of Sec. 4, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 0.5 mile southwest of Larwill; 0.2 mile south along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Old Trail Road, State Road 5), thence 0.5 mile west to a T-road south (State Road 5); set in the top of a concrete post in the southwest quarter of the junction, 254 feet south from the centerline of the T-road, 6.5 feet south of power pole #10, flush with the ground; a U.S. Coast and Geodetic Survey benchmark tablet, stamped "S 186 1946".

**956.622 feet NGVD 1929**

(Revised Elevation)

**USC&GS BM T 186, 1946**

In Whitley County, Pierceton Quadrangle, in the N ½ of Sec. 9, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 1.4 miles south-southwest of Larwill; at the intersection of State Road 5 and Division Road; set in the top of a concrete post in the southwest quarter of the intersection, 62 feet south from the centerline of the east-west road, 41.0 feet southwest from the centerline of the highway, 1.2 feet northeast from a fence line, 0.4 foot above the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "T 186 1946".

**911.273 feet NGVD 1929**

(Revised Elevation)

**DNR TBM WLK 122, 1977**

In Whitley County, Pierceton Quadrangle, in the S ½ of Sec. 20, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.05 miles north of Larwill; 2.05 miles north along State Road 5 from its intersection with U.S. Highway 30 in Larwill to a T-road west (352 North Road); set in the west side of power pole # 100/72, in the northwest quarter of the junction, 81 feet north from the center line of the T-road west, 24.3 feet west from the center line of the highway, 2.2 feet below the highway, 1.0 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR TBM WLK 122 1977".

**924.957 feet NGVD 1929**

**DNR BM WIT 46, 1976**

In Whitley County, Pierceton Quadrangle, in the SE ½ Sec. 19, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.2 miles northwest of Larwill; 2.0 miles north along State Road 5 from its intersection with U.S. Highway 30 in Larwill to a T-road west (325 North Road), thence 0.7 mile west to a metal pipe culvert in Mathias Ditch; set in the top of a concrete post on the south side of the road, 134 feet west from the centerline of the culvert, 17.3 feet south from the centerline of the road, 4.0 feet below the roadway, 1.8 feet northwest from power pole # 11689; a Department of Natural Resources control station tablet, stamped “WIT 46 1976”.

**883.734 feet NGVD 1929**

**DNR TBM KLK 32, 1977**

In Kosciusko County, Pierceton Quadrangle, in the E ½ of Sec. 24, T. 32 N., R. 7 E., 2<sup>nd</sup> PM, about 2.7 miles northwest of Larwill; 2.5 miles west along U.S. Highway 30 from its intersection with State Road 5 at Larwill to a north-south crossroad (900 East Road), thence 1.5 miles north to an east-west crossroad (150 South Road), thence 1.0 mile east to a north-south crossroad (Robinson Lake Road), set in the top of a vertical railroad rail fence post in the southwest quarter of the junction, 27.0 feet west from the centerline of the north-south road, 20.0 feet south from the extended centerline of the east-west road, 2.0 feet above the roadway; a filed cross.

**907.824 feet NGVD 1929**

**DNR BM WIT 45, 1976**

In Whitley County, Pierceton Quadrangle, in the SW ¼ of Sec. 17, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, 2.85 miles north-northwest of Larwill; 2.8 miles north along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Lincoln Way Road), thence 0.5 mile west to a 6-foot concrete box culvert over Elder Ditch; set in the top of the east end of the south headwall, 32.7 feet south from the centerline of the road, 4.5 feet below the roadway, 0.6 foot west from the east end of the headwall; a Department of Natural resources control station tablet, stamped “WIT 45 1976”.

**879.799 feet NGVD 1929**

**DNR TBM WLK 123, 1977**

In Whitley County, Pierceton Quadrangle, in the SW ¼ Sec. 17, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.85 miles north-northwest of Larwill; 2.8 miles north along State Road 5 from its intersection with U.S. Highway 30 in Larwill to an east-west crossroad (Lincoln Way Road), thence 0.5 mile west to a 6-foot concrete box culvert over Elder Ditch; set in the top of the west end of the north headwall, 37.0 feet north from the centerline of the road, 13.0 feet east from the west end of the headwall, 4.5 feet below the roadway; a chiseled triangle.

**879.524 feet NGVD 1929**

**DNR BM WIT 6, 1976**

In Whitley County, Pierceton Quadrangle, in the NE ½ of Sec. 3, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.6 mile east of South Whitley to a one span concrete bridge over Eel River; set in the top of the south end of the east concrete wingwall of the bridge, 13.1 feet east from the centerline of the road, 0.9 foot above the roadway, 0.4 foot south from the north face of the wingwall; a Department of Natural Resources control station tablet, stamped “WIT 6 1976”.

**797.002 feet NGVD 1929**

**DNR TBM WLK 7, 1976**

In Whitley County, Pierceton Quadrangle, in the NW ¼ of Sec. 2, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 1.5 miles east of South Whitley; 1.5 east along Pook Road (Front Street) from its junction with State Road 5 in South Whitley to a curve in the road; set in the southeast side of a 12-inch box elder tree, 43.5 feet northwest from REMC power pole #02075, 22.0 feet northwest from the centerline of the road, 1.5 feet below the roadway, 1.0 feet above the ground; a railroad spike driven thru an aluminum tag, stamped “DNR TBM WLK 7 1976”.

**803.412 feet NGVD 1929**

**DNR BM WIT 7, 1976**

In Whitley County, Pierceton Quadrangle, in the SW ¼ of Sec. 35, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 1.5 miles east of South Whitley; at the Norfolk and Western Railroad bridge over Eel River; set in the top of the northeast bridge abutment, 5.6 feet north from the north rail, 2.0 feet southeast from a steel guardrail post; a Department of Natural Resources control station tablet, stamped “WIT 7 1976”.

**799.397 feet NGVD 1929**

**DNR TBM WLK 8, 1976**

In Whitley County, Pierceton Quadrangle, in the SW ¼, Sec. 36, T. 32 N., R. 8 E., 2<sup>nd</sup> PM, about 2.0 miles east of South Whitley; at the intersection of 500 West Road and the Norfolk and Western Railroad; set in the south side of a telephone pole in the northeast quarter of the intersection, 37.6 feet north from the north rail, 22.2 feet east from the centerline of the road, 3.0 feet below the roadway, 0.8 foot above the ground; a railroad spike driven thru an aluminum tag, stamped “DNR TBM WLK 8 1976”.

**797.463 feet NGVD 1929**

**DNR BM WIT 8, 1976**

In Whitley County, South Whitley Quadrangle, in the NE ¼ of Sec. 35, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.0 miles east of South Whitley; at the 500 West Road steel truss bridge over Eel River; set in the top of the southwest bridge seat, 8.7 feet west from the center line of the road 1.3 feet below the bridge floor, 0.6 foot south from the north face of the bridge seat; a Department of Natural Resources control station tablet, stamped “WIT 8 1976”.

**794.445 feet NGVD 1929**

**DNR TBM WLK 9, 1976**

In Whitley County, South Whitley Quadrangle, in the E ½ of Sec. 1, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 3.0 miles east of South Whitley; 2.3 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a north-south crossroad (500 West Road), thence 0.5 mile south to an east-west crossroad (Pook Road), thence 0.25 mile east to a T-road south (475 West Road, thence 0.45 mile south to a farm entrance road east; set in the northeast side of REMC power pole #02223, 250 feet south-southwest from the south face of the small house, 237 feet south from the center line of the entrance road east, 16.5 feet east from the center line of the entrance road east, 16.5 feet east from the center line of the road, 0.6 foot above the ground; a railroad spike driven thru an aluminum tag, stamped “DNR TBM WLK 9 1976”.

**799.939 feet NGVD 1929**

**USC&GS BM H 186, 1947**

In Whitley County, South Whitley Quadrangle, in the NW ¼ of Sec. 12, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 2.7 miles east of South Whitley; at the intersection of 475 West Road and State Road 14; set in the top of the east end of the south concrete headwall in the southeast quarter of the intersection, 170 feet east from the centerline of the north-south road, 22.0 feet south from the centerline of the east-west road, 1.2 feet west from the east end of the headwall, level with the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped “H 186 1946”.

**840.517 feet NGVD 1929**

**USC&GS RM WHITLEY No. 2 1947**

In Whitley County, South Whitley Quadrangle, in the SE  $\frac{1}{4}$  of Sec. 1, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 3.3 miles southeast of South Whitley; 2.3 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a north-south crossroad (500 West Road), thence 0.5 mile south to an east-west crossroad (Pook Road), thence 0.25 mile east to a T-road south (475 West Road), thence 1.0 mile south to an east-west crossroad (State Road 14), thence 0.75 mile east to a field entrance south; set in the top of a concrete post in the northwest quarter of the junction, 611 feet west from the centerline of a private drive north, 49.0 feet west from the extended centerline of the field entrance south, 42.0 feet north from the centerline of the highway, 3.0 feet south from an east-west fence line, 0.1 foot above the ground; a U.S. Coast and Geodetic Survey reference mark tablet, stamped "WHITLEY No. 2 1947".

**859.811 feet NGVD 1929**

**USC&GS WHITLEY 1947**

In Whitley County, South Whitley Quadrangle, in the NE  $\frac{1}{4}$  of Sec. 12, T. 30 N., 8 E., 2<sup>nd</sup> PM, about 3.3 miles southeast of South Whitley; 2.3 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a north-south crossroad (500 West Road), 0.5 mile south to an east-west crossroad (Pook Road), thence 0.25 mile east to a T-road south (475 West Road), thence 1.0 mile south to an east-west crossroad (State Road 14), thence 0.75 mile east to a field entrance road south; set in the top of a concrete post in the southwest quarter of the junction, 620 feet west of the centerline of a private drive north, 49.0 feet south of the centerline of the highway, 36.6 feet west of the center line of the field entrance road south, flush with the ground; a U.S. Coast and Geodetic Survey triangulation station tablet, stamped "WHITLEY 1947".

**858.568 feet NGVD 1929**

**DNR TBM KLK 10, 1976**

In Whitley County, South Whitley Quadrangle, in the NW  $\frac{1}{4}$  of Sec. 7, T. 30 N., R. 9 E., 2<sup>nd</sup> PM, about 3.9 miles southeast of South Whitley; 2.3 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a north-south crossroad (500 West Road), thence 0.5 mile south to an east-west crossroad (Pook Road), thence 0.25 mile east to a T-road south (475 West Road), thence 1.0 mile south to an east-west crossroad (State Road 14), thence 1.0 mile east to a 15-foot concrete box culvert under the road; set in the top of the south end of the southwest concrete wingwall, 20.0 feet south from the centerline of the highway, 0.75 foot north from the south face of the wingwall, 0.2 foot east from the west face of the wingwall; a painted chiseled triangle.

**827.414 feet NGVD 1929**

**USC&GS BM G-186, 1946**

In Whitley County, South Whitley Quadrangle, in the SW ¼ of Sec. 6, T. 30 N., R. 9 E., 2<sup>nd</sup> PM, about 4.2 miles east of South Whitley; at the intersection of 350 West Road and State Road 14; set in the top of a concrete post, in the northeast quarter of the junction, 64 feet east from the centerline of the east-west road, 3.0 feet south above the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "G-186 1947".

**831.980 feet NGVD 1929**

**DNR TBM WLK 11, 1976**

In Whitley County, South Whitley Quadrangle, in the NW ¼ of Sec. 6, T. 30 N., R. 9 E., 2<sup>nd</sup> PM, about 3.7 miles east of South Whitley; 3.8 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a north-south crossroad (350 West Road), thence 0.75 mile east to an east-west railroad crossing (Norfolk and Western Railroad), thence 0.1 mile west along the railroad to semaphore #3937 on the north side of the tracks; set in the top of the southeast anchor bolt of the semaphore, 564 feet west from the centerline of the road, 11.8 feet north from the north rail, 1.5 feet above the ground; a painted filed cross.

**803.299 feet NGVD 1929**

**DNR BM WIT 9, 1976**

In Whitley County, South Whitley Quadrangle, in the N ½ of Sec. 6, T. 30 N., R. 9 E., 2<sup>nd</sup> PM, about 3.8 miles east of South Whitley; at the 350 West Road steel truss bridge over Eel River; set in the top of the northeast concrete wingwall, 9.0 feet east from the centerline of the road, 2.4 feet northeast from the south face of the wingwall, 0.9 foot below the bridge floor; a Department of Natural Resources control station tablet, stamped "WIT 9 1976".

**795.222 feet NGVD 1929**

**DNR BM WIT 10, 1976**

In Whitley County, South Whitley Quadrangle, in the SW ¼ Sec. 32, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 4.4 miles east of South Whitley; at the 275 West Road single span concrete bridge over Eel River; set in the top of the south end of the west concrete guardrail, 15.0 feet west from the centerline of the road, 0.9 foot above the ground, 0.6 foot east from the west face of the guardrail base; a Department of Natural Resources control station tablet, stamped "WIT 10 1976".

**803.719 feet NGVD 1929**



**DNR TBM WLK 12, 1976**

In Whitley County, South Whitley Quadrangle, in the SW  $\frac{1}{4}$  of Sec. 32, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 4.5 miles east of South Whitley; at the 275 West Road single-span concrete bridge over Eel River; set in the top of the north end of the east concrete guardrail base, 15.3 feet east from the north end of the guardrail base; a painted chiseled triangle.

**803.712 feet NGVD 1929**

**DNR TBM WLK 14, 1976**

In Whitley County, South Whitley Quadrangle, in the N  $\frac{1}{2}$  of Sec. 33, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 5.8 miles northeast of South Whitley; 4.65 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a T-road south (275 West Road), thence 0.6 mile south to a northeast-southwest crossroad (Keiser Road), thence 1.35 miles northeast to a T-road north (Wolf Road); set in the top of a concrete base of a railroad rail fence post in the northeast quarter of the junction, 35.5 feet north from the centerline of the east-west road, 19.3 feet east of the centerline of the T-road north, 1.0 foot northwest of the steel railroad rail, 0.8 foot below the roadway; a chiseled triangle.

**827.268 feet NGVD 1929**

**DNR BM WIT 11, 1976**

In Whitley County, South Whitley Quadrangle, in the Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 4.4 miles southwest of Columbia City; 4.1 miles south and southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a northwest southeast crossroad (Wolf Road), thence 0.4 mile southeast to a 75-foot concrete bridge over Eel River, set in the top of the southwest end of the southeast bridge seat, 14.3 feet southwest of the centerline of the road, 4.3 feet below the bridge floor, 1.5 feet southeast of the northwest face of the southeast bridge seat; a Department of Natural Resources control station tablet, stamped "WIT 11 1976".

**796.859 feet NGVD 1929**

**DNR TBM WLK 15, 1976**

In Whitley County, South Whitley Quadrangle, in the Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 4.4 miles southwest of Columbia City; 4.1 miles south and southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a northwest-southeast crossroad (Wolf Road), thence 0.4 mile southeast to a 75-foot concrete bridge over Eel River; set in the top of the northeast end of the northwest bridge seat, 16.4 feet northeast of the centerline of the road, 4.3 feet below the bridge floor, 1.1 feet northwest of the southeast face of the northwest bridge seat; a chiseled triangle.

**796.837 feet NGVD 1929**

**DNR TBM WLK 16, 1976**

In Whitley County, South Whitley Quadrangle, in the Beaver Reserve, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 3.6 miles southwest of Columbia City; 3.6 miles southwest along State Road 205 from its intersection with Van Buren Street in Columbia City to a private drive northwest; set in the top of the northeast end of an 18-inch pipe culvert under the drive, 73 feet southwest of the center of a small ditch under the highway, 27.0 feet northwest of the centerline of the highway, 10.2 feet northeast of the centerline of the highway, 10.2 feet northeast of the centerline of the private drive, 0.5 foot below the private driveway; the center of two filed notches.

**821.923 feet NGVD 1929**

**DNR TBM WLK 13, 1976**

In Whitley County, South Whitley Quadrangle, in the SE ¼ Sec. 32, T. 31 N., R. 9 E., 2<sup>nd</sup> PM, about 5.0 mile east of South Whitley; 4.65 miles east along State Road 205 from its junction with State Road 5 at South Whitley to a T-road south (275 West Road), thence 0.6 mile south to a northeast-southwest crossroad (Keiser Road), thence 0.3 mile northeast to a 30-foot bridge over Stony Creek; set in the top of the northwest wingwall, 20.8 feet northwest of the centerline of the road, 0.7 foot south of the north face of the wingwall, 0.6 feet east of the west end of the wingwall, 0.3 foot below the bridge floor; a painted chiseled triangle.

**798.874 feet NGVD 1929**

**DNR BM WIT 1, 1976**

In Whitley County, South Whitley Quadrangle, in the NW ¼ of Sec. 7, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.5 mile southwest of Collamer; at the 950 West Road single-span concrete bridge over Mishler Ditch; set in the top of the southwest wingwall, 9.2 feet west of the centerline of the road, 1.5 feet south of the north end of the wingwall, 0.3 foot below the bridge floor; a Department of Natural Resources control station tablet, stamped "WIT 1 1976".

**779.404 feet NGVD 1929**

**DNR TBM WLK 4, 1976**

In Whitley County, South Whitley Quadrangle, in the NW ¼ of Sec. 8, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.1 mile south of Collamer; at the 900 West Road bridge over Eel River; set in the top of the northeast concrete wingwall, 11.0 feet east of the centerline of the road, 0.5 foot below the roadway, 0.4 foot northwest from the southeast face of the wingwall; a painted chiseled triangle.

**784.986 feet NGVD 1929**

**DNR BM WIT 2, 1976**

In Whitley County, South Whitley Quadrangle, in the NW ¼ of Sec. 8 T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.15 mile southeast of Collamer; 0.15 mile south along 900 West Road from its intersection with State Road 14 at Collamer to an east-west crossroad (River Road), thence 0.03 mile east to a dam in Eel River, set in the northeast end of the south dam abutment, 49.5 feet north of the centerline of the road, 3.9 feet south of the north face of the abutment, 3.5 feet east of the west face of the abutment, 3.5 feet east of the west face of the abutment; a Department of Natural Resources control station tablet, stamped "WIT 2 1976".

**778.590 feet NGVD 1929**

**DNR BM WIT 3, 1976**

In Whitley County, South Whitley Quadrangle, in the NW ¼ of Sec. 8, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.2 mile southeast of Collamer; 0.15 mile south along 900 West Road from its intersection with State Road 14 at Collamer to an east-west crossroad (River Road), thence 0.15 mile east to a railroad bridge over Eel River; set in the top of the east end of the south pier, 11.0 feet north of the centerline of the road, 8.8 feet below the track surface, 1.8 feet south of the north face of the pier; a Department of Natural Resources control station tablet, stamped "WIT 3 1976".

**785.751 feet NGVD 1929**

**DNR BM WIT 4, 1976**

In Whitley County, South Whitley Quadrangle, in the SE ¼ of Sec. 5, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.7 mile east of Collamer; 0.7 mile east along State Road 14 from its intersection with 900 West Road at Collamer to a field entrance road north; set in the top of a concrete base of a railroad rail fence corner post in the northeast quarter of the junction, 49.8 feet northwest of power pole #CAA1-77, 18.4 feet north of the centerline of the road, 14.8 feet east from the center line of the field entrance road, 0.7 foot north from the south edge of the concrete base; a Department of Natural Resources brass control station tablet, stamped "WIT 4 1976".

**799.316 feet NGVD 1929**

**DNR TBM WLK 5, 1976**

In Whitley County, South Whitley Quadrangle, in the SW ¼ of Sec. 4, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.5 mile southwest of South Whitley; 0.7 mile south and east along State Road 14 from its junction with State Road 5 in South Whitley to a T-road north leading to a cemetery; set in the north side of a 26-inch Cottonwood tree in the southeast quarter of the junction, 61 feet east of the center line of the "T"-road north, 22.6 feet south of the centerline of the road, 2.1 feet below the roadway, 0.7 foot above the ground; a railroad spike driven thru an aluminum tag, stamped "DNR WLK 5 1976".

**796.257 feet NGVD 1929**

**DNR BM WIT 5, 1976**

In Whitley County, South Whitley Quadrangle, in the NE ¼, Sec. 4, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, in South Whitley; at the State Roads 5 and 14 bridge over Eel Rivers; set in the top of the northwest end of the northeast concrete guardrail, 22.8 feet northeast of the centerline of the highway, 3.4 feet above the bridge floor, 2.1 feet southwest of the northeast end of the northeast concrete guardrail; a Department of Natural Resources control station tablet, stamped “WIT 5 1976”.

**802.447 feet NGVD 1929**

**DNR TBM WLK 6, 1976**

In Whitley County, South Whitley Quadrangle, in the NE ¼ of Sec. 4, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, at South Whitley; at the State Road 5 and 14 bridge over Eel River; set in the top of the southeast end of the southwest concrete guardrail, 24.0 feet southwest of the centerline of the highway, 3.7 feet above the bridge floor, 2.0 feet northwest of the southeast face of the southwest concrete guardrail; a painted chiseled triangle.

**798.147 feet NGVD 1929**

**USC&GS BM N 186, 1946**

In Whitley County, South Whitley Quadrangle, in the SE ¼ of Sec. 30, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.3 miles northwest of South Whitley; 1.9 miles west along 500 South Road from its intersection with State Road 5 in South Whitley to a T-road north (900 West Road), thence 1.0 mile north to an east-west crossroad (400 South Road), thence 0.15 mile west to a farm entrance drive north; set in the top of a concrete post in the northwest quarter of the junction, 104 feet west of the centerline of the farm drive, 26.0 feet west of utility pole #95698, 22.3 feet north of the centerline of the road, 0.5 foot above the roadway; a U.S. Coast and Geodetic Survey bench mark tablet, stamped “N 186 1946”.

**838.450 feet NGVD 1929**

**DNR TBM WLK 1, 1976**

In Whitley County, South Whitley Quadrangle, in the NW ¼ Sec. 31, T. 31 N., R. 8 E., 2<sup>nd</sup> PM, about 2.5 miles northwest of South Whitley; at the “T” road intersection of 950 West Road and 450 South Road; set in the north end of a concrete headwall, in the northwest quarter of the junction, 23.0 feet north of the centerline of the “T”-road west, 14.5 feet west of the centerline of the north-south road, 2.2 feet south of the north end of the concrete headwall, 0.5 foot above the road; a painted chiseled triangle.

**833.473 feet NGVD 1929**

**DNR TBM WLK 2, 1976**

In Whitley County, South Whitley Quadrangle, in the SW ¼ of Sec. 6, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.7 mile northwest of Collamer; at the “T” road intersection of 950 West Road and 550 South Road; set in the east side of power pole #95-599, in the southwest quarter of the junction, 25.0 feet south of the centerline of the north-south road, 6.6 feet south of a fence corner post, 0.5 foot above the ground; a railroad spike driven thru an aluminum tag, stamped “DNR TBM WLK 2 1976”. **806.271 feet NGVD 1929**

**DNR TBM WLK 3, 1976**

In Whitley County, South Whitley Quadrangle, in the SW ¼ of Sec. 6, T. 30 N., R. 8 E., 2<sup>nd</sup> PM, about 0.6 mile west of Collamer; at the State Road 14 45-foot concrete bridge over Mishler Ditch; set in the top of the northeast bridge abutment, 17.0 feet north of the centerline of the highway, 3.3 feet west of the east end of the bridge, 0.9 foot above the roadway; a painted chiseled triangle. **790.314 feet NGVD 1929**

**DNR TBM BLUE 100, 2000**

In Whitley County, Churubusco Quadrangle, in the SE ¼ of Sec. 9, T. 32, R. 10 E., 2<sup>nd</sup> PM, about 2.0 miles west-northwest of Churubusco; at the west end of McGuire Road, at the west end of the asphalt; set in the south side of guy pole #23960, 24.5 feet north of the centerline of McGuire Road, 14.0 feet east of the west end of the asphalt road, 2.4 feet northwest of the northwest end post of a 2 rail wood fence, 1.2 feet above the ground; a railroad spike driven through an aluminum tag, stamped “IDNR TBM BLUE 100 2000”. **859.971 feet NGVD 1929** **262.1198 meters NGVD 1929**

**DNR TBM BLUE 101, 2000**

In Whitley County, Churubusco Quadrangle, in the SE ¼ of Sec. 9, T. 32, R. 10 E., 2<sup>nd</sup> PM, about 1.9 miles west-northwest of Churubusco; at the “T” road intersection of 650 East Road and McGuire Road; set in the north side of utility pole #41208 with a transformer and guy wire, 63.0 feet northeast of the northeast corner of a white 2 car garage at #6430 McGuire Road, 33.5 feet west of the centerline of 650 East Road, 17.0 feet south of the centerline of McGuire Road, 14.5 feet northwest of a 6.0 inch Balsam tree, 1.6 feet above the ground; a railroad spike driven through an aluminum tag, stamped “IDNR TBM BLUE 101 2000”. **859.338 feet NGVD'29** **261.9266 meters NGVD'29**

**DNR TBM BLUE 102, 2000**

In Whitley County, Ege Quadrangle, in the SW ¼ of Sec. 3, T. 32, R. 10 E., 2<sup>nd</sup> PM, about 2.2 miles west-northwest of Churubusco; at the “T” road intersection of 650 East Road and 600 North Road; set in the west side of power pole #20287 with a transformer and guy wire, 31.0 feet north of the centerline of a gravel drive to the east, 19.0 feet east of the centerline of 650 East Road, 13.3 feet south of the centerline of a gravel drive to the east, 1.7 feet south of the extended centerline of 600 North Road, 1.3 feet above the ground; a railroad spike driven through an aluminum tag, stamped “IDNR TBM BLUE 102 2000”. **876.1367 feet NGVD 1929** **267.0470 meters NGVD 1929**

IDNR TBM NLK 15 RESET 2002

In Whitley County, Ormas Quad., set in the SE  $\frac{1}{4}$  of section 25, T.33 N., R. 8 E., 2<sup>nd</sup> P. M. Set in the northeast  $\frac{1}{4}$  of the intersection of County Line Road(250 West Rd. or 600 West Rd.) and Buckles Rd.(500 South Rd.). Set in the southerly side a power pole with two transformers and two guy wires. 28 feet north of the centerline of Buckles Road, 22 feet west of the centerline of County Line Road, 48.8 feet northwest of white PVC pipe post for telephone pedestal, 49.8 feet north of steel sign post for 250 West Road and Buckles Road, about 1.2 feet above the ground. A railroad spike through an aluminum tag stamped "IDNR TBM NLK 15 RESET 2002"

902.361 feet NGVD 1929      2<sup>nd</sup> Order      275.040 meters      NGVD 1929

IDNR TBM LL 10 2002

In Noble County, Ormas Quad., set in the SW  $\frac{1}{4}$  of section 31, T.33 N., R. 9 E., 2<sup>nd</sup> P. M. About 1.5 miles southeast of Ormas, Set at the east side of Loon Lake. Starting from the intersection of County Line Road and 500 South Road(Buckles Road); proceed southerly along County Line Road about 0.6 miles to a white house and garage on the westerly side of County Line Road. Set in the easterly side of a 15 inch Oak Tree. 18 feet westerly of the centerline of County Line Road, 9.6 feet northerly of the north gatepost for a pipe gate, 74.3 feet northeast of the northeast corner of white attached garage of house, about 0.4 foot above the ground. A railroad spike through an aluminum tag stamped "IDNR TBM LL 10 2002"

903.331 feet NGVD 1929      2<sup>nd</sup> Order      275.336 meters      NGVD 1929

IDNR TBM LL 11 2002

In Whitley County, Ormas Quad., set in the NW  $\frac{1}{4}$  of section 6, T.32 N., R. 9 E., 2<sup>nd</sup> P. M. About 2 miles southeast of Ormas, Indiana. Set on the south side of County Line Road across from the Public Access Boat Ramp for Loon Lake. Set in the north side of power pole # LL 48. 21.5 feet south of the centerline of County Line Road(700 North Road), 221.5 feet east of the centerline of a drive south, 152 feet south of the southwest corner of handicapped access platform, about 1.2 feet above the ground. A railroad spike through an aluminum tag stamped "IDNR TBM LL 11 2002"

900.355 feet NGVD 1929      2<sup>nd</sup> Order      274.429 meters      NGVD 1929

IDNR TBM NOB 18 RESET 2002

In Whitley County, Ormas Quad., set in the SW  $\frac{1}{4}$  of section 31, T.33 N., R. 9 E., 2<sup>nd</sup> P. M. About 2 miles southeast of Ormas, Indiana. Set at the Public Access Boat Ramp for Loon Lake. Set in the top of the northeast corner of the concrete Handicapped Access platform for boat ramp. 0.8 foot south of the north face of platform, 1.0 foot west of the east face of platform, 5.0 feet east of the west face of the platform, about 2.9 feet above concrete boat ramp. An Indiana Department of Natural Resources bronze bench mark tablet stamped "NOB 18 RESET 2002"

901.360 feet NGVD 1929      2<sup>nd</sup> Order      274.735 meters      NGVD 1929

IDNR BM WIT 29 RESET 1995

In Whitley County, Columbia City Quad., set in the SW  $\frac{1}{4}$  of section 11, T. 31 N., R. 9 E., 2<sup>nd</sup> P. M. In Columbia City, Indiana. Set at the Whitley Street bridge over Blue River, set in top of the south bridge abutment on the east side of the bridge. 20.8 feet east of the centerline of the street, 0.6 foot east of the east concrete guardrail, 0.7 foot southwest of the northeast face of the southeast concrete wingwall, 1.5 feet south of the streamward face of the south bridge abutment. A standard IDNR bench mark tablet stamped, "WIT 29 RESET 1995"

838.549 feet NGVD 1929      3<sup>rd</sup> Order

IDOT BM F-38 WHI

In Whitley County, Columbia City Quad., set in the SW  $\frac{1}{4}$  of section 11, T. 31 N., R. 9 E., 2<sup>nd</sup> P. M. In Columbia City, Indiana. Set at the Whitley Street bridge over Blue River, set in top of the northwest wingwall of bridge. 16 feet west of the centerline of the street, 1.0 foot west of the concrete guardrail, 1.5 feet north of the streamward face of the north abutment, 0.9 foot northeast of the southwest face of the northwest wingwall, about level with the roadway. A standard IDOT bench mark tablet stamped, "F 38 WHI"

831.861 feet NGVD 1929      3<sup>rd</sup> Order

IDNR TBM WITL 29A 1995

In Whitley County, Columbia City Quad., set in the SW  $\frac{1}{4}$  of section 11, T. 31 N., R. 9 E., 2<sup>nd</sup> P. M. In Columbia City, Indiana. Set near the Whitley Street bridge over Blue River, set in the east side of a power pole. About 166 feet north of the north end of the Whitley Street bridge over Blue River, 35.2 feet west of the centerline of Whitley Street, 24.0 feet southwest of a "SPEED LIMIT 20" sign post, 75.6 feet westerly and across the street from the northwest corner of the "DIVERSITEC INCORPORATED" building, about 1.5 feet above the ground. A railroad spike through an aluminum tag stamped "IDNR TBM WITL 29A 1995"  
838.880 feet NGVD 1929 3<sup>rd</sup> Order

IDNR TBM WITL 29B 1995

In Whitley County, Columbia City Quad., set in the SW  $\frac{1}{4}$  of section 11, T. 31 N., R. 9 E., 2<sup>nd</sup> P. M. In Columbia City, Indiana. Set near the Whitley Street bridge over Blue River, set in the east side of a 17 inch twin trunk tree. About 75 feet north of the north end of the Whitley Street bridge over Blue River, 38.5 feet west of the centerline of Whitley Street, 28 feet south of a rock driveway leading west, 3 feet east of a north south fence line, about 0.5 foot above the ground. A railroad spike at a crooked angle through an aluminum tag stamped "IDNR TBM WITL 29B 1995"  
834.280 feet NGVD 1929 3<sup>rd</sup> Order

IDNR TBM WITL 29C 1995

In Whitley County, Columbia City Quad., set in the SW  $\frac{1}{4}$  of section 11, T. 31 N., R. 9 E., 2<sup>nd</sup> P. M. In Columbia City, Indiana. Set near the Whitley Street bridge over Blue River, set in the west side of a power pole. About 19 feet south of the south end of the Whitley Street bridge over Blue River, 58 feet west of the centerline of Whitley Street, 2 feet north of the north edge of a gravel parking lot, about 1 foot above the ground. A railroad spike in the west side of power pole. An aluminum tag stamped "IDNR TBM WITL 29C 1995" nailed above the railroad spike.  
825.333 feet NGVD 1929 3<sup>rd</sup> Order



IDOT BM F 31 WHI

In Whitley County, South Whitley West Quad., set in the NE  $\frac{1}{4}$  of section 4, T. 30 N., R. 8 E., 2<sup>nd</sup> P. M. In South Whitley, Indiana. Set at the S. R. 5 & 14 bridge over the Eel River. Set in top of concrete guardrail, 23 feet northeast of the centerline of the highway, 1.8 feet southeast of the northwest end of the upstream concrete guardrail, 0.9 foot northwest of the upstream face of the upstream concrete guardrail, about 3.6 feet above the sidewalk. A standard IDOT bench mark tablet stamped "F 31 WHI" 803.512 feet NGVD 1929 3<sup>rd</sup> Order